

INDEX TO

THE PHILIPPINE JOURNAL OF SCIENCE

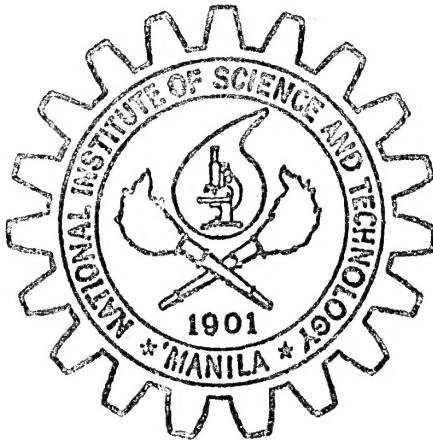
VOLUME 100 (1971) TO VOLUME 104 (1975)

COMPILED BY

JASMIN G. DEVERALA

JOSEPHINE B. KING

JOSE S. PIQUERO



MANILA
PUBLISHED BY THE NATIONAL SCIENCE
DEVELOPMENT BOARD
1980

REPUBLIC OF THE PHILIPPINES

NATIONAL SCIENCE DEVELOPMENT BOARD

MANILA

MONOGRAPHS OF THE NATIONAL INSTITUTE OF SCIENCE
AND TECHNOLOGY

ILEANA R. F. CRUZ, *Acting Editor*

MONOGRAPH 13

INDEX TO THE PHILIPPINE JOURNAL OF SCIENCE

By JASMIN G. DEVERALA
JOSEPHINE B. KING
JOSE S. PIQUERO

CONTENTS

INTRODUCTION	5
CONTENTS OF THE PHILIPPINE JOURNAL OF SCIENCE VOLUME 100 (1971) TO VOLUME 104 (1975)	7
AUTHOR INDEX	13
SUBJECT INDEX	27

INTRODUCTION

This Volume is the sixth index to the Philippine Journal of Science and covers materials found in Volume 100 (1971) to Volume 104 (1975). The Journal has been published quarterly (in March, June, September and December) or four issues in each volume or year. Some issues have appeared as combined editions of two numbers, in our effort to update the publication.

Listed in this volume are the table of contents of each number, an authors' index, and a subject index.

Volume numbers are printed in boldface, page numbers are printed in Arabic numerals, and different volumes are separated by semicolon.

CONTENTS

VOLUME 100

No. 1, March 1971

[Issued April 22, 1973]

	Page
VELASQUEZ, GREGORIO T., DOROTEA F. CORNEJO, ALEJANDRO E. SANTIAGO, and LUZ BAENS-ARCEGA, Algal communities of exposed and protected marine waters of Batangas and Bataan	1
Fourteen plates and one text figure.	
GALLARDO-DE JESUS, EMMA, ROLITO M. ANDRES, and ELVIRA T. MAGNO. A study on the isolation and screening of micro-organisms for production of diverse-textured nata	41
Two plates.	
BASIO, RUBEN G., and LOLITA S. BASIO. On Philippine mosquitoes, IV. A new species of <i>Armigeres</i> , subgenus <i>Armigeres</i> (Diptera Culicidae)	53
Four text figures.	
GROSSER, DIETGER, and G. ISIDRO ZAMUCO, Jr. Anatomy of some bamboo species in the Philippines	57
Eight plates and two text figures.	
LASERNA, GLORIA. Review of accomplishments of the NIST Allergy Unit and contributing investigators	75

No. 2, June 1971

[Issued June 15, 1973]

VELASCO, J.R., C. S. CANOY, and R.O. DE GUZMAN. Culture of indicator plants in soil from coconut groves affected by cadangcadang	83
Three plates	
ORTALIZA, ILUMINADA, C., ISABEL F. DEL ROSARIO, MARCOSA H. SANTOS, CORAZON G. AGUILAR and LORETO M. DUMADAUG. The availability of carotene in some Philippine vegetables, II. Mustasa, gabi leaves, saluyot and kalabasa tops	95
BASIO, RUBEN G., and LOLITA S. BASIO. On Philippine mosquitoes, VI. <i>Tripteroides</i> (<i>Tripteroides</i>) <i>reisenii</i> , a new species (Diptera: Culicidae)	103
One text figure.	
ESCOLANO, EUGENIA U., PURITA C. FRANCIA, and JOSE A. SEMANA. Proximate chemical composition of some commercial grades of abaca (<i>Musa textilis</i> Nees) fibers	107
KU, BUN-POK, and WENDEL Y. LIM. Electronic and structural effects on rates and equilibria, II. Linear free relationship in polarographic reduction of nitroarenes	115
Seven text figures.	
LIEM, DAVID S.S. The frogs and toads of Tjibodas National Park, Mt. Gede, Java, Indonesia	131
Two plates and seven text figures.	

	Page
MACEDA-CORONEL, LETICIA. A study on the isolation and screening of cellulose-decomposing molds as solubilizers of fibrous materials	163
Five plates.	
GIRON, HILDA M., BERNABE MAUBAN, OLYMPIA N. GONZALEZ, and VICTORIA Q. ALABASTRO. Effects of gamma radiation on the storage properties of Candied jackfruit (<i>Artocarpus Heterophylus</i> Lam)	177
Two text figures.	
PIGAO, CONCEPCION G., and JOSEFA S. PESIGAN. The production of manganese dioxide from manganese ores	189
One text figure.	
SEVILLA-SANTOS, PATROCINIO, GERTRUDES AGUILAR-SANTOS, IMELDA A. SY, and FELISA A. CASTRO. Sterols from <i>sargassum polyceratum</i> Montagne and <i>S. confusum</i> Agardh	201
Five text figures.	
MAGNO-OREJANA, FLORIAN, ROGELIO O. JULIANO, and ERLINDA T. BANASIHAN. Trimethylamine and volatile reducing substances in frigate mackerel (<i>Auxis thazard</i> Lacepede)	209
Six text figures.	
ROSARIO, R. M. DEL. New and noteworthy Philippine liverworts	227
Fifty-two text figures.	
LAZARO, BERNADETTE I., and WENDEL Y. LIM. Reactive intermediates in research, I. Stability of benzhydryl and xanthyli cations	243
OBACH, RAUL C., and WENDEL Y. LIM. Electronic and structural effects on rates and equilibria, III. Solvent and substituent influence in dehydrogenation with quinones	251
Two text figures.	
LIM, WENDEL Y., BERNADETTE I. LAZARO, and FLORENCE MANLIGAS-NACINO. Electronic and structural effects on rates and equilibria, V. Nucleophilic reactivity of some aliphatic amines	261
ELLIOT, ORVILLE. Adverse reactions to lysergic acid diethylamide in animals: nest-building and general maternal care in rats	267
Three text figures.	
ISWARAN. V., P. K. CHHONKAR, and K.S. JAUHRI. Effects on sodium glutamate on nodulation and growth of soybean	289
INDEX	291

VOLUME 101

Nos. 1-2, March-June 1972

[Issued September, 1974]

	Page
SEVILLA-SANTOS, PATROCINIO, and WILFREDO L. BARRAQUIO, Laboratory screening of local <i>Streptomyces</i> isolates for antibiotic activity against <i>Xanthomonas oryzae</i> (Uyeda and Ishiyama) Dowson and <i>Pyricularia oryzae</i> Cav.	1
Two plates and two text figures.	

DACANAY, ELEONORA P., OSCAR LAUREL, and JOSEFINA B. MANALO. Clinical evaluation of NIST-produced allergenic extracts. Part II. Hyposensitization injection treatment with pollen extracts	15
OBACH, RAUL C., VIOLETA P. ARIDA, and RAMON C. PORRAS. Improvement of the drying property of lumbang oil. I. Formation of urea complexes	31
VER, LETICIA C., and WENDEL P. LIM. Electronic and structural effects on rates and equilibria. VII. Nucleophilicity of some aliphatic amino acids	39
SURANA, ASHA, R.P. TYAGI, and BHUWAN C. JOSHI. Reactions of quinoline derivatives — Study of 2-hydrazino-4-methyl quinoline	49
One text figure.	
TRIPATHI, S.N., and S.A.I. RIZVI. Stepwise formation and thermodynamical parameters of thorium complexes with salicyladoxime	55
Ten text figures.	
AHMAD, MAQBOOL, M.H. NAQVI, A. HUSSAIN, and AMIN M. HUSSAIN. Effect of gamma radiation and packing on the postharvest life of guava (<i>Psidium guajava</i> L)	71
Two text figures.	
PANT, S.D., and V. ISWARAN. Survival of <i>Rhizobium japonicum</i> in India soils	81
ARIDA, VIOLETA P., FLORECILLA C. BORLAZA, and WILLIAM J. SCHMITT, S.J. The ozonolysis of Philippine unsaturated oils. II. Lumbang [<i>Aleurites moluccana</i> (Linn.) Wild.]	93
BOOK REVIEW	97

Nos. 3-4, September-December 1972

[Issued April 30, 1975]

REMO, IRMA C., and GLORIA LASERNA. Field survey of probable allergenic grasses in the Manila area, 1970	99
REMO, IRMA C., and GLORIA LASERNA. Aero-palynological studies in the Manila area, 1970	105
VELASQUEZ, GREGORIO T., GAVINO C. TRONO, JR., and MAXWELL S. DOTY. Algal species reported from the Philippines	155
INDEX	171

VOLUME 102

Nos. 1-2, March-June 1973

[Issued April 26, 1974]

Page

GARCIA, LOURDES L., LUZ LL. COSME, HONORATA R. PERALTA, and BENIGNO M. GARCIA. Phytochemical investigation of <i>Coleus blumei</i> Benth. I. Preliminary studies of the leaves	1
Six text figures.	
OBACH, RAUL C., VIOLETA P. ARIDA, EMMANUEL G. BALANQUIT, and SIXTO A. CHUA, JR. Improvement of the drying property of lumbang oil. II. Liquid-liquid segregation with furfural	13
One text figure.	

APACIBLE, A. R., A. M. R. MENDOZA, R. L. PRUDENTE, and CELESTINO BARILE. Response of coconut to NPK fertilization at Davao	21
One plate and one text figure.	
GONZALES, A.L., E.F. BUCCAT, T.R. CLAUDIO, N. M. BUESER, R.C. LANDIG, and G. C. MAÑALAC. Studies on solvent extraction of residual oil from wet coconut meal using isopropanol	31
Three text figures.	
ARIDA, VIOLETA P., SHIRLEY L. LEGASPI, SIXTA A. IINSUA, and REMEDIOS G. FERRER. Preparation of trilaurin: chromatographic study of reesterification of methyl laurate with glycerol	45
Two text figures.	
ANGLO, PILAR G., LUZ BAENS-ARCEGA, ANGELINA LL. ARGUELLES, and NERISSA SARABIA. Alginic acid, agar, and carrageenan contents of some Philippine marine algae	55
Two plates.	
PERALTA, EMERNELITA I., ESTRELLA F. ALABASTRO, GILDA R. A. LEGASPI, and KATHERINE M. APOLINARIO. Growth characteristics and thermal resistance of spoilage organisms isolated from canned peachy papaya given minimal heat treatment	69
One text figure.	
TORRADO, JOSEFINA DOLORES T. and WENDEL Y. LIM. Electronic and structural effects on rates equilibria, VI. Polargraphic reduction of substituted benzaldehydes	81
BOOK REVIEW	99

Nos. 3-4, September-December 1973

[Issued December 2, 1975]

ARROYO, P. R., J. S. KARGANILLA, and O.T. DIONGCO. Egg studies: I. Salt curing of chicken and duck eggs	101
Four text figures.	
OÑATE, L.U. and A.R. AGUINALDO. Nutritional improvement of rice diets I. Evaluation of dietaries of 15 households	115
OÑATE, L.U. and A.R. AGUINALDO. Nutritional improvement of rice diets, II. Estimation of food intakes of Laguna household members by comparison with RDA	123
OÑATE, L.U. and A. R. AGUINALDO. Nutritional improvement of rice diets, III. Supplementation of Laguna dietaries with some cheap and/or easy to grow foods	127
GUTIERREZ, HERMES G. An archaeological find in the Philippines: A fruit of the genus <i>Psidium</i> (guava)	143
One plate.	
PANDEY, R.K., and B. C. JOSHI. Synthesis of 2 ethyl-5-methyl-3,4: 6,7-dibenzo-morphane	151

VOLUME 103
No. 1 June, 1974
 [Issued March 5, 1976]

	Page
VELASCO, JOSE R., and JORGE GUTIERREZ, Germination and its inhibition in coffee	1
CANTORIA, MAGDALENA, and MA. VICENTA T. CUEVAS-GACUTAN. Studies on the physiology of Philippine mint (<i>Mentha Cordifolia</i> Opiz). II. Effect of two different light intensities on the vegetative growth and oil yield	13
BONDAD, N. D. A note on the control of postharvest diseases of fruits with benomyl and thiabendazole	21
COCJIN, PILARITA A., and FILIPINA S. DELA FUENTE. A study of the process of producing copper sulfate and copper salts from chalcopyrite	29
FOJAS, FELICITA R., FELICIDAD E. ANZALDO, and SALVACION Y. GETIGAN. 17-Ketosteroid levels among Filipinos	43
DE GUZMAN, MA. PATROCINIO E., SHEILA R. DOMINGUEZ, JOSIE M. KALAW, ROSA O. BASCONCILLO, and VALENTINO F. SANTOS. A study of the energy expenditure, dietary intake, and pattern of daily activity among various occupational groups. I Laguna rice farmers	53
CANTORIA, MAGDALENA. Studies on the physiology of Philippine mint (<i>Mentha cordifolia</i> Opiz). III. Variation in oil yield	67

No. 2 June, 1974
 [Issued June 10, 1976]

LLEANDER, GLORY C., CELIA L. HERRERA, and NELLY BALGOS. Three isometric alkaloids from <i>Uncaria perrottetii</i> (A. Rich.) Merr. <i>Uncaria ferrea</i> F. Vill. non D.C.	75
KIM, KIL-UNG, and BEATRIZ L. MERCADO. Physiological responses of rice to TCE-styrene	81
MERCADO, BEATRIZ L. and AURORA M. BALTAZAR. Effect of trifluralin on sugars in rice seedlings	91
YEN, D. E., and HERMES G. GUTIERREZ. The Ethnobotany of the Tasaday: The useful plants	97
SANGLAY, M. B., J. E., CATACUTAN, and E. N. TERRADO, Studies on the fuel cell	141
Editors' Note	147

No. 3 September, 1974
 [Issued August 3, 1976]

MACEDA-CORONEL, LETICIA, VIRGINIA E. ORILLAZA, and ANGELINA LL. ARGUELLES. Production of proteolytic enzyme from a local strain of <i>Bacillus subtilis</i>	149
---	-----

MERCADO, BEATRIZ L., ROLINDA L. TALATALA, and ROSALINDA A. PEREZ, Morphological response of rice seedlings to dinitroxyldine herbicides . . .	165
GUTIERREZ, HERMES G. <i>Tricyrtis Imeldae</i> , a new Philippine Lily	171
BUCCAT, ELINOR F., A. L. CLAUDIO, and G. C. MAÑALAC. Laboratory studies on the preparation of skim milk concentrate	175
VERMA, KRISHNA K., and SAMEER BOSE. Determination of sulfhydryl substances by phenyliodosoacetate	187

No. 4 December, 1974

[Issued October 10, 1976]

PAMPLONA, PABLITO P., and MERCADO, BEATRIZ L. Dormancy and germination of <i>Rottboellia Exaltata</i> L.	191
TIMBOL, A. SEMBRANO, Observation on the growth of young bangus, <i>Chanos Chanos</i> (Forsk.) on two types of pelleted food	199
PATROCINIO S. SANTOS, ABAD, EDUARDO J., PAGUIA, AUREA G., and LAT, BETTY S., Vitamin B ₁₂ and Antibiotic activities of actinomycetes isolated by a selective method	207
SAXENA, O. C., Microdetermination of folic and chromotropic acids	221
ANGLO, PILAR G., ILAG, LINA L., and ALICBUSAN, ROMEO V., Production of Proteolytic Enzyme I. Effect of Irradiation on Protease Production by <i>asperigillus oryzae</i> (AHLBURG) Cohn.	229
SIS. MENDOZA, ROSALINDA C., ICM Embryogenesis in <i>amaranthus spinosus</i> Linn.	243

VOLUME 104

Nos. 1-2, March-June, 1975

[Issued June 28, 1975]

	Page
GARTH, JOHN S. <i>Demania alcalai</i> , a second new species of poisonous crab from the Philippines (Crustacea, Decapoda, Brachyura).	1
ROSARIO, ROMUALDO M. del. Philippine liverworts, III. Calobryales and Herbertales of the Philippines.	7

Nos. 3-4, September-December 1975

[Issued December 27 1977]

CASAMBRE, GLADYS. Chiasma frequency of three species in the genus <i>Oryza</i> . .	73
JONES, H. G. Additions to the genus <i>Dendrobium</i> (Orchidaceae) in Fiji	89
ROSARIO, ROMUALDO M. del. Calobryales and Herbertales of the Philippines . .	93

AUTHOR INDEX

A

Abad, Eduardo J.

See Santos, Abad, Paguaia, and Lat

Aguilar, Corazon G.

See Ortaliza, del Rosario, Santos, Aguilar, and Dumadaug.

Aguilar-Santos, Gertrudes.

See Sevilla-Santos, Aguilar-Santos, Sy, and Castro.

Aguinaldo, A.R.

See Oñate, and Aguinaldo. (I), (II), (III).

Ahmad, Maqbool, M.H. Naqvi, A Hussain, and Amin M. Hussain.

Effect of gamma radiaticn and packing on the postharvest life of guava (*Psidium guajava* L.), 101, 71.

Alabastro, Estrella F.

See Peralta, Alabastro, Legaspi, and Apolinario.

Alabastro, Victoria Q.

See Giron, Mauban, Gonzales, and Alabastro.

Alicbusan, Romeo V.

See Anglo, Ilag, and Alicbusan

Andres, Rolito M.,

See Gallardo-De Jesus, Andres, and Magno.

Anglo, Pilar G., Luz Baens-Arcega, Angelina Ll. Arguelles, and Nerissa Sarabia.

Alginate acid, agar, carrageenan contents of some Philippines Marine Algae, 102, 55.

Anglo, Pilar G., Lina L. Ilag, and Romeo V. Alicbusan.

Production of proteolytic enzyme I. effect of irradiation on protease production by *Aspergillus oryzae* (Ahlburg) Cohn, 103, 229.

Anzaldo, Felicidad E.

See Fojas, Anzaldo, and Getigan.

Apacible, A.R., A.M.R. Mendoza, R.L. Prudente, and Celestino Barile.
Response of coconut to NPK fertilization at Davao, 102, 21.

Apolinario, Katherine M.
See Peralta, Alabastro, Legaspi, and Apolinario.

Arida, Violeta P., Florecilla C. Borlaza and William J. Schmitt, S.J.,
The ozonolysis of Philippines unsaturated oils. II. Lumbang [*Aleurites Moluccana*
(Linn.) Willd.] . 101, 93.
See also Obach, Arida, and Porras; and Obach, Arida, Balanquit, and Chua.

Arida, Violeta P., Shirley L. Legaspi, Sixto A. Insua, and Remedios G. Ferrer.
Preparation of trilaurin chromatographic study of reesterification of methyl laurate
with glycerol, 102, 45.

Arguelles, Angelina Ll.
See Anglo, Baens-Arcega, Arguelles, and Sarabia; and Coronel, Orillaza, and Arguelles.

Arroyo, P.R., J.S. Karganilla, and O.T. Diongo.
Egg Studies: I. Salt curing of chicken and duck eggs, 102, 101.

B

Balgos, Nelly.
See Lleander, Herrera, and Balgos.

Baens-Arcega, Luz.
See Anglo, Baens-Arcega, Arguelles, and Sarabia; and Velasquez, Cornejo Santiago,
and Baens-Arcega.

Balanquit, Emmanuel G.
See Obach, Arida, Balanquit, and Chua.

Baltazar, Aurora L.
See Mercado and Baltazar.

Banasihan, Erlinda T.
See Magno-Orejana, Julian, and Banasihan.

Barile, C.
See Apacible, Mendoza, Prudente, and Barile.

Barraquio, Wilfredo L.
See Sevilla-Santos and Barraquio.

Basconcillo, Rosa O.
See de Guzman, Dominguez, Kalaw, Basconcillo, and Santos.

Basio, Lolita S.
See Basio and Basio.

Basio, Ruben G. and Lolita S. Basio.

On Philippine Mosquitoes, IV. A New species of *Armigeres*, subgenus *Armigeres* (Diptera Culicidae), 100, 53.

On Philippine Mosquitoes, VI. *Tripteroides* (*Tripteroides*) *reisenii*, a new species (Dipter Culicidae), 100, 103.

Bondad, N.D.

A note on the control of postharvest diseases of fruits with benomyl and thiabenodazole, 103, 21.

Borlaza, Florecilla C.

See Arida, Borlaza, and Schmitt.

Bose, Sameer.

See Verma and Bose.

Buccat, Elinor F., A. L. Gonzales, T.R. Claudio and G.C. Mañalac.

Laboratory studies on the preparation of skim milk concentrate, 103, 1975.

See also Gonzales, Buccat, Claudio, Bueser, Landig, and Mañalac.

Bueser, N. M.

See Gonzales, Buccat, Claudio, Bueser, Landig, and Mañalac.

C

Canoy, C. S.

See Velasco, Canoy, and de Guzman.

Cantoria, Magdalena.

Studies on the physiology of Philippine Mint (*Mentha Cordifolia* Opiz), III. 103, 67.

Cantoria, Magdalena, and Ma. Vicenta T. Cuevas-Gacutan.

Studies on the physiology of Philippine mint (*Mentha Cordifolia* Opiz) II. Effect of two different light intensities on the vegetative growth and oil yield, 103, 13.

Casambre, Gladys,

Chiasma Frequency of Three Species In the Genus *Oryza*, 104, 73.

Castro, Felisa A.

See Sevilla-Santos, Aguilar-Santos, Sy, and Castro.

Catacutan, J.E.

See Sanglay, Catacutan, and Terrado

Chua, Sixto A. Jr.,

See Obach, Arida, Balanquit, and Chua

Chhonkar, P.K.

See Iswaran, Chhonkar, and Jauhri.

Claudio, T. R.

See Gonzales, Buccat, Claudio, Bueser, Landig and Mañalac; and Buccat, Gonzales, Claudio, and Mañalac.

Cocjin, Pilarita A., and Filipina S. de la Fuente.

A Study of the process of producing copper sulfate and copper salts from chalcopyrite, 103, 29.

Cornejo, Dorotea F.

See Velasquez, Cornejo, Santiago, and Baens-Arcega.

Coronel, Leticia Maceda, Virginia E. Orilloza, and Angelina Ll. Arguelles.

Production of proteolytic enzyme from a social strain of bacillus subtilis, 103, 149.

Cosme, Luz Ll.

See Garcia, Cosme, Peralta, and Garcia.

Cuevas-Gacutan, Ma. Vicenta T.

See Cantoria and Cuevas-Gacutan.

D

Dacanay, Eleonora P., Oscar Laurel, and Josefina B. Manalo.

Clinical evaluation of NIST – produced allergenic extracts Part II. Hyposentization injection treatment with pollen extracts, 101, 15.

Diongco, O. T.

See Arroyo, Karganilla, and Diongco.

Dominguez, Sheila R.

See de Guzman, Dominguez, Kalaw, Basconcillo, and Santos.

Doty, Maxwell S.

See Velasquez, Trono, and Doty.

Dumadaug, Loreto M.

See Ortaliza, del Rosario, Santos, Aguilar, and Dumadaug.

E

Elliot, Orville.

Adverse reactions to lysergic acid diethylamide in animals; nest-building and general maternal care in rats, 100, 267.

- Escolano, Eugenia U., Purita C. Francia, and Jose A. Semana.
Proximate Chemical composition of some commercial grades of Abaca (*Musa textiles* Nee) fibers, 100, 107.

F

- Ferrer, Remedios G.
See Arida, Legaspi, Insua, and Ferrer.
- Fojas, Felicitas R., Felicidad E. Anzaldo, and Salvacion Y. Getigan.
17-Ketosteroid levels among Filipinos, 103, 43.
- Francia, Purita C.
See Escolano, Francia, and Semana.
- Fuente, Filipina S. de la.
See Cocjin and de la Fuente.

G

- Gallardo-De Jesus, Emma; Rolito M. Andres, and Elvira T. Magno.
A Study on the isolation and screening of micro-organisms for production of diverse-textured nata, 100, 41.
- Garcia, Benigno M.
See Garcia, Cosme, Peralta, and Garcia.
- Garcia, Lourdes, L., Luz Ll. Cosme, Honorata R. Peralta, and Benigno M. Garcia.
Phytochemical investigation of *coleus blumei* benth. I. Preliminary studies of the leaves, 102, 1.
- Garth, John S.,
Demania Alkali, A second New Species of Poisonous Crab from the Philippines. (Crustacea, Decapoda, Brachyura), 104, 1.
- Getigan, Salvacion Y.
See Fojas, Anzaldo, and Getigan.
- Giron, Hilda M., Bernabe Mauban, Olympia N. Gonzales, and Victoria Q. Alabastro.
Effects of gamma radiation on the storage properties of candied jackfruit (*Artocarpus heterophyllus* Lam.) 100, 177.
- Gonzales, Olympia N.
See Giron, Mauban, Gonzales, and Alabastro.
- Gonzales, A. L., E. F. Buccat, T. R. Claudio, N. M. Bueser, R. C. Landig, and G. C. Mañalac.
Studies on solvent extraction of residual oil from wet coconut meal using isopropanol, 102, 31.

Gonzales, A. L.

See Buccat, Gonzales, Claudio and Mañalac.

Grosser, Dietger and G. Isidro Zamuco, Jr.,

Anatomy of some bamboo species in the Philippines 100, 57.

Gutierrez, Hermes G.,

An archeological find in the Philippines: A fruit of the genus *Psidium* (guava), 102, 143.

Tricystis Imeldae, A New Philippine lily, 103, 171.

See also Yen and Gutierrez.

Gutierrez, Jorge.

See Velasco and Gutierrez.

Guzman, R. O. de.

See Velasco, Canoy, and de Guzman.

Guzman, Ma. Partocinio E. de, Sheila R. Dominguez, Josie M. Kalaw, Rosa O. Bascon-
cillo, and Valentino F. Santos.

Study of the energy expenditure, dietary intake and pattern of daily activity among
various occupational groups. I. Laguna rice farmers, 103, 53.

H

Herrera, Celia L.

See Lleander, Herrera, and Balgos.

Hussain, A.

See Ahmad, Naqvi, Hussain, and Hussain.

Hussain, Amin M.

See Ahmad, Naqvi, Hussain, and Hussain.

I

Ilag, Lina L.

See Anglo, Ilag, and Alicbusan.

Insua, Sixta A.

See Arida Legaspi, Insua, and Ferrer.

Iswaran, V., P. K. Chhonkar, and K. S. Jauhri.

Effect of sodium glutamate on nodulation and growth of soybean, 100, 289.

See also Pant and Iswaran.

J

Jauhri, K. S.

See Iswaran, Chhonkar, and Jauhri.

Jones, H. G.

Additions to the Genus *Dendrobium* (ORCHIDACEAE) in Fij., 104, 89.

Joshi, B. C.

See Panday and Joshi; and Surana, Tyagi, and Joshi.

Juliano, Rogelio O.

See Magno-Orejana, Juliano, and Banasihan.

K

Kalaw, Josie M.

See de Guzman, Dominguez, Kalaw, Basconcillo, and Santos.

Karganilla, J. S.

See Arroyo, Karganilla, and Diongco.

Kim, Kil-Ung, and Beatriz L. Mercado.

Physiological responses of rice to TCE-stryene, 103, 81.

Ku, Bun-Pok and Wendel Y. Lim.

Electronic and structural effects on rates and equilibria, II. Linear free energy relationship in polarographic reduction and nitroarenes, 100, 115.

L

Landig, R. C.

See Gonzales, Buccat, Claudio, Bueser, Landig, and Mañalac.

Laserna, Gloria.

Review of accomplishments of the NIST Allergy Unit and contributing investigators, 100, 75.

See also Remo and Laserna.

Lat, Betty S.

See Santos, Abad, Pagua, and Lat.

Laurel, Oscar.

See Dacanay, Laurel, and Manalo.

Lazaro, Bernadette I., and Wendel Y. Lim.

Reactive intermediates in research, I. Stability of benzhydryl and xanthyl cations, 100, 243.

See also Lim, Lazaro, and Manligas-Nacino.

Lleander, Glory C., Celia Herrera, and Nelly Balgos.

Three isomeric alkaloids from *Uncaria perrottetii* (A. Rich.) Merr. *Uncaria ferrea* F. Vill. non D.C., **103**, 75.

Legaspi, Gilda R. A.

See Peralta, Alabastro, Legaspi, and Apolinario.

Legaspi, Shirley L.

See Arida, Legaspi, Insua, and Ferrer.

Liem, David S. S.

The frogs and toads of Tjibodas National Park, Mt. Gede, Java, Indonesia, **100**, 131.

Lim, Wendel Y., Bernadette I. Lazaro, and Florence Manligas-Nacino.

Electronic and Structural Effects on rates and equilibria, V. Nucleophilic reactivity of some aliphatic amines, **100**, 261.

See also Ku and Lim, Obach and Lim; Torrado and Lim; Ver and Lim; Lazaro and Lim.

M

Maceda-Coronel, Letecia.

A Study on the isolation and screening of cellulose-decomposing molds as solubilizers of fibrous materials, **100**, 163.

Maceda-Coronel, Leticia, Virginia E. Orillaza, and Angelina Ll. Arguelles.

Production of proteolytic enzyme from a local strain of *Bacillus subtilis*, **103**, 149.

Magno, Elvira T.

See Gallardo-De Jesus, Andres, and Magno.

Magno-Orejana, Florian, Rogelio O. Juliano, and Erlinda T. Banasihan.

Trimethylamine and volatile reducing substances in frigate mackerel (*Auxis thazard* Lacepede), **100**, 209.

Mañalac, G. C.

See Buccat, Gonzales, Claudio and Mañalac; and Gonzales, Buccat, Claudio, Bueser, Landig, and Mañalac.

Manalo, Josefina B.

See Dacanay, Laurel, and Manalo.

Manligas-Nacino, Florence.

See Lim, Lazaro, and Manligas-Nacino.

Mauban, Bernabe

See Giron, Mauban, Gonzales, and Alabastro.

Mendoza, A. M. R.

See Apacible, Mendoza, Prudente, and Barile.

- Mendoza, Rosalinda C.,
Embryogenesis in *Amaranthus spinosus*, Linn. and *Amaranthus viridis* Linn. **103**,
243.
- Mercado, Beatriz, L. and Aurora M. Baltazar.
Effect of trifurialis on sugar in rice seedlings, **103**, 91.
- Mercado, Beatriz L., Rolinda L. Talatala, and Rosalinda A. Perez,
Morphological response of rice seedlings to dinitroxyldine herbicides, **103**, 165.
See also Kim and Mercado; and Pamplona and Mercado.

N

- Naqvi, M. H.
See Ahmad, Naqvi, Hussain, and Hussain.

O

- Obach, Raul C., Violeta P. Arida, and Ramon C. Porras.
Improvement of drying property of lumbang oil, I. Formation of urea complexes,
101, 31.
- Obach, Raul C., Violeta P. Arida, Emmanuel G. Balanquit, and Sixto A. Chua Jr.,
Improvement of the drying property of lumbang oil. II. Liquid-liquid segregation
with furfural, **102**, 13.
- Obach, Raul C., and Wendel Y. Lim.
Electronic and Structural effects on rates and equilibria, III. Solvent and substituent
of influence in dehydrogenation with quinones, **100**, 251.
- Orillaza, Virginia.
See Coronel, Orillaza, and Arguelles.
- Ortaliza, Iuminada C., Isabel F. del Rosario, Marcosa H. Santos, Corazon G. Aguilar,
and Loreto M. Dumadaug.
The availability of carotene in some Philippine vegetables. II. Mustasa, gabi leaves,
saluyot and Kalabasa tops, **100**, 95.
- Oñate, L. U. and A. R. Aguinaldo,
Nutritional improvements of rice diets, I. Evaluation of dietaries of 15 households,
102, 115.
Nutritional improvements of rice diets, II. Estimation of food intakes of Laguna
household members of comparison with RDA, **102**, 123.

- Oñate, L. U. and R. Aguinaldo,
Nutritional improvement of rice diets, III. Supplementation of Laguna dietaries
with some cheap and/or easy to grow foods, 102, 127.

P

- Pagua, Aurea G.
See Santos, Abad, Pagua, and Lat.
- Pamploma, Pablito P. and Beatriz L. Mercado.
Dormancy and germination of *Rottboellia Exaltata* L., 103, 191.
- Pandey, R. K., and B. C. Joshi,
Short communication: Synthesis of 2-ethyl-5-methyl 1-3, 4:6, 7-dibenzomorphan,
102, 151.
- Pant, S. D. and V. Iswaran.
Survival of *Rhizobium japonicum* in India soils, 101, 81.
- Peralta, Honorata R.
See Garcia, Cosme, Peralta, and Garcia.
- Peralta, Emernelita I., Estrella F. Alabastro, Gilda R. A. Legaspi, and Katherine M.
Apolinario.
Growth characteristics and thermal resistance of spoilage organisms, isolated from
canned peachy papaya given minimal heat treatment, 102, 69.
- Perez, Rosalinda.
See Mercado, Talatala, and Perez.
- Pesigan, Josefa S.
See Pigao and Pesigan.
- Pigao, Concepcion G., and Josefa S. Pesigan.
The production of manganese dioxide from manganese ores, 100, 189.
- Porras, Ramon C.
See Obach, Arida, and Porras.
- Prudente, R. L.
See Apacible, Mendoza, Prudente, and Barile.

R

- Remo, Irma C., and Gloria Laserna.
Field survey of probable allergenic grasses in the Manila Area, 1979, 101, 99.
Aero-palynological studies in the Manila area, 1970, 101, 105.
- Rizvi, S. A. I.
See Tripathi and Rizvi.

Rosario, Isabel F. del

See Ortaliza, del Rosario, Santos, Aguilar, and Dumadaug.

Rosario, Romualdo M. del.

New and noteworthy Philippine liverworts, II. 100, 227.

Philippine Liverworts. III. Colobryales and Herbertales of the Philippines, 104, 7, 93.

S

Sanglay, M. B., J. E., Catacutan, and E. N. Terrado.

Studies on the the fuel cell. 103, 141.

Santos, Marcosa H.

See Ortaliza, del Rosario, Santos, Aguilar and Dumadaug.

Santos, Patrocinio S., Eduardo J. Abad, Aurea G. Pagua, and Betty S. Lat.

Vitamin B₁₂ and antibiotic activities of Actinomycetes isolated by a selected method, 103, 207.

Santos, Valentino F.

See de Guzman, Dominguez, Kalaw, Basconcillo, and Santos.

Santiago, Alejandro E.

See Velasquez, Cornejo, Santiago, and Baens-Arcega.

Sarabia Nerissa.

See Anglo, Baens-Arcega, Arguelles, and Sarabia.

Saxena, O. C.,

Microdetermination of folic chromotropic acids, 103, 221.

Schmitt, S. J. William J.

See Arida, Borlaza, and Schmitt.

Semana, Jose A.

See Escolano, Francia, and Semana.

Sevilla-Santos, Patrocinio, Gertrudes Aguilar-Santos, Imelda A. Sy, and Felisa A. Castro.

Sterols from Sargassum polyceratum Montagne and S. Confusum Agardh, 100, 201.

Sevilla-Santos, Patrocinio, and Wilfredo L. Barraquio.

Laboratory secreening of local Streptomyces isolates for antibiotic activity against Xanthomonas oryzae (Uyeda and Ishiyama) Dawson and Pyricularia oryzae Cav., 101, 1.

Surana, Asha, R. P. Tyagi, and Bhuwan C. Joshi.

Reactions of quinoline derivatives — Study of 2 hydrozino-4-methyl quinoline, 101, 49.

Sy, Imelda A.

See Sevilla-Santos, Aguilar-Santos, Sy, and Castro.

T

Talatala, Rolinda.

See Mercado, Talatala, and Perez.

Terrado, E. N.

See Sanglay, Catacutan, and Terrado.

Tyagi, R. P.

See Surana, Tyagi, and Joshi.

Timbol, Sembrano, A.

Observation on the growth of young bangus, *Chanos Chanos* (Forsk.) on two types of pelleted food. **103**, 199.

Torrado, Josefina Dolores T., and Wendel Y. Lim.

Electronic and structural effects on rates and equilibria, VI. Polarographic reduction of substituted benzaldehydes, **102**, 81.

Tripathi, S. N. and S. A. I. Rizvi.

Stepwise formation and thermodynamical parameters of thorium complexes with salicylaldoxime, **101**, 55.

Trono, Gavino C. Jr.,

See Velasquez, Trono, and Doty.

Tyagi, R. P.

See Surana, Tyagi, and Joshi.

V

Velasco, J. R., C. S. Canoy, and R. O. De Guzman.

Culture of indicator plants in soil from coconut groves affected by *cadang-cadang*, **100**, 83.

Velasco, Jose R., and Jorge Gutierrez.

Germination and its inhibition in coffee, **103**, 1.

Velasquez, Gregorio T., Dorotea F. Comejo, Alejandro E. Santiago, and Luz Baens-Arcega.

Algal communities of exposed and protected marine waters of Batangas and Bataan. **100**, 1.

Velasquez, Gregorio T., Gavino C. Trono, Jr., and Maxwell S. Doty.

Algal species reported from the Philippines, **101**, 115.

Ver, Leticia C., and Wendel Y. Lim.

Electronic and structural effects on rates and equilibria, VII. Nucleophilicity of some aliphatic amino acids, 101, 39.

Verma, Khrishna K. and Sameer Bose.

Determination of sulfhydryl substances by phenyliodoso acetate, 103, 187.

Y

Yen, D. E., and Hermes G. Gutierrez.

The ethnobotany of the Tasaday. The useful plants, 103, 97.

Z

Zamuco, Isidro G., Jr.

See Grosser and Zamuco, Jr.

SUBJECT INDEX

A

- Abarema, 103, 101.
 Abarema elliptica (Bl.) Kosterm., 103, 135.
 Abelmoschus esculentus, 100, 85.
 Abrus sp. (?), 103, 135.
 Acanthaceae, 103, 133.
 Acanthaphora Lam., 100, 32.
 orientalis, 101, 125.
 specifera, 100, 125.
 thierri, 101, 125.
 thierryi, 101, 125.
 canthaphora scandens merr., 103, 133.
 caudatus, 103, 251, 252.
 spicitera, 102, 62.
 Acetabularia calysulus, 101, 125.
 dentata, 101, 125.
 major, 101, 125.
 minutissima, 101, 125.
 philippinensis, 101, 125.
 Acetabularia Lam., 100, 11.
 calyculus Qouy and Gaim., 100, 7, 11.
 major Mart., 100, 7, 1.
 Acetobacter xylinum (Br.) Holl., 100, 41, 163.
 Achnanthes crenulata, 101, 125, 126.
 exigua, 101, 125.
 flexelle, 101, 125.
 hungarica, 101, 125.
 inflata, 101, 125.
 lanceolata, 101, 126.
 microcephala, 101, 126.
 minutissima, 101, 106.
 simplex, 101, 126.
 Achras zapota Linn., 100, 44.
 Acrocarpus pusillus, 101, 126.
 Acrochaetium gracile, 101, 126.
 hancockii, 101, 126.
 liagorae, 101, 126.
 nitidulum, 101, 126.
 papenfussii, 101, 126.
 seriatum, 101, 126.
 trichogloeae, 101, 126.
 tuticorinense, 101, 126.
 Acromastigum, 104, 7, 16, 18, 94, 95, 204, 205.
 curtilobum, 104, 95-97, 207.
 A. curtilobum (schiffn.), 104, 96.
 denticulatum Evans, 100, 95, 206, 229.
 divaricatum, 104, 95, 99, 100.
 Jungermannia divaricata Nees., 104, 99.
 Mastigobrymn divaricatum Nees., 104, 99.
 Bazzania divaricata Trevis., 104, 99.
 divaricatum (nees), 104, 99, 206.
 Echinatiforme, 104, 95, 96.
 Echinatiforme (De Nat), 104, 96, 97.
 Mastigobryum echinatiformi De Not., 104, 96.
 Bazzania echinatiformi Trevis, 104, 96.
 Actinidiaceae, 103, 114, 127-129.
 Actinomycetes, 103, 207.
 Actinotrichia fragilis, 101, 126.
 rigida, 101, 126.
 Aeromonas, 103, 203.
 Aerva tomentosa, 103, 246.
 A. Fatua, 103, 194.
 Afug, 103, 119, 120.
 Agave, 100, 112.
 Ageratum conyzoides, 100, 55.
 Aglaia, 103, 99, 128, 129, 134.
 A. Kotschy, 103, 194.
 A. sp., 103, 134.
 Aglaonema marantifolium Bl., 103, 123, 131.
 Aglaonema Schott, commutatum, 103, 123.
 Aglunay, 103, 122.
 Agmenellum thermale, 101, 126.
 Aksamtukubung, 103, 114.
 Akar banar, 103, 106.
 Akar ribanar, 103, 106.
 Alabang X, 101, 15, 16.
 Alabang, 100, 76.
 Aloria crassifolia, 100, 204.
 Alcaligenes faecales, 102, 7.
 Alleurites moluccona (Linn.), 100, 251.
 Alleurites, moluccona (Linn.) Willd., 102, 13; 101, 31, 95.

- Alfalfa base, 103, 199.
Allium cepa, 100, 78, 85.
 fistulosum, 104, 30 31, 78.
 sativa, 100, 85.
 species, 104, 76.
Allophylus, 103, 129.
Allophylus macrostachys Radlk., 103, 136.
Alocasia, 103, 106.
Alpinia, 103, 128.
Alpinia sp. 103, 133.
Altermanthera, 103, 245.
Altermanthera sesilis, 103, 245.
Anansia glomerata, 101, 126.
Amaranthaceae, 101, 106, 108, 110, 103, 244.
Amaranthus, 103, 244, 246.
Amaranthus caudatus, 103, 245.
 retroflexus, 103, 245, 251.
 spinosus, 103, 85.
 spinosus Linn, 101, 15, 16.
 viridis, 103, 85, 245, 247.
Amaryllidaceae, 103, 101, 118, 127, 131.
 American pepper, 100, 44, 46.
Amolops, 100, 143.
 jebboa Gunt., 100, 149, 150, 158, 159.
Amomum, 103, 128.
Amomum sp., 103, 133.
Amorsecos, 101, 15, 16.
Amphipleura lindheimeri, 101, 126.
 rutilans, 101, 126.
Amphiroa annulata, 100, 126.
 cumingii, 101, 126.
 foliacea, 101, 127.
 foliacea Lam, 100, 23, 27.
 fragilissima, 101, 127.
 fragilissima (Linn.) Lam 100, 23, 28.
 hancockii Tayl., 100, 23, 28.
 pacifica, 101, 127.
 subcylindrica, 101, 127.
Amphitetras favosa, 101, 127.
Amphora fontinalis, 101, 127.
 libyca, 101, 127.
 montana, 101, 127.
 normani, 101, 127.
 ovalis, 101, 127.
 subturgida, 101, 127.
Amutmaziso, 103, 111.
Anacystis aeruginosa, 101, 127.
 cynanea, 101, 127.
 dimidiata, 101, 127.
 montana, 101, 127.
 thermalis, 101, 127.
Anadyomene brownii, 101, 128.
 eseptata, 101, 128.
 Flabellata, 101, 128.
 Lam., 100, 13.
 leclancherii, 101, 128.
 plicata, 101, 128.
 stellata, 101, 128.
 stellata (Fulf.) C. Ag., 100, 8, 13.
 wrightii, 101, 128.
Anafa mahagtaw, 103, 122, 121.
Ananas comosus (Linn.) Merr., 100, 44, 45.
Andropogoneae, 103, 191.
Andropogan aciculatus Retz. 101, 15, 16.
 halepensis (L.) Brot. var. *propinguus* (Kunth.) Merr., 101, 100.
Anomeoneis exilis, 101, 128.
 serians, 101, 128.
 spaerophora, 101, 128.
Anonaceae, 103, 130.
Anona squamosa Linn., 100, 44.
Antheridaia, 104, 12, 13, 47.
Antidesma cumingii, 103, 111.
Anutung disquisak, 103, 113.
 Apple, 100, 44, 46.
Aporosa, 103, 128, 129.
Aporosa sp., 103, 134.
Appendicula microcantha Sindl., 103, 132.
Arachis hypogaea Linn., 102, 132, 135.
Araceae, 103, 101, 106, 115, 123, 128, 131.
Araliaceae, 103, 113, 114, 130.
Aralia, 103, 99, 101.
Aralia bipinnata Bl., 103, 133.
Archaeolithothamnion erythraeum, 101, 128.
 schmidtii, 101, 128.
 sibogae, 101, 128.
 timorense, 101, 128.
Archegonium, 104, 9.
Archyranthes, 103, 245.
Archyranthes aspera, 103, 245.
Areca, 103, 99, 101, 114, 119, 122.
Areca caliso, 103, 109, 119, 132.
Areca catechu L., 103, 119.
Areca sp. 103, 132.
Arenga, 103, 103.
A. retroflexus, 103, 245, 252.

- Armingeres* (*Armigeres*) *azurini* Bas and Bas., 100, 53, 56. (*Armigeres*) *boisai* Stone and Thur., 100, 53, 55, 56.
 (*Armigeres*) *joloensis* (Ludk.), 100, 53.
Artemesia douglasiana, 104, 76.
Artocarpus heterophyllus Lam., 100, 44.
Arundinaria, 100, 57.
Ascaphyllum, 102, 57.
Asparagopsis delilei, 101, 128.
Asparagopsis sp., 102, 61, 62, 67.
Aspergillus, 104, 230.
Aspergillus flauus, *oryzae*, 103, 230.
 niger, 101, 77, 78.
 oryzae, 103, 230, 234.
 oryzae (Ahlburg) Cohn, 103, 229, 241.
A. spinosus, 103, 244, 246, 248, 252.
Asplenium nidus, 103, 107.
Asplenium nidus D., 103, 131.
Asterionella formosa, 101, 128.
Astronia, 103, 130.
Astronia subcaudata, 103, 116.
Astronia subcaudat Merr., 103, 135.
Atis, 100, 44, 46.
Attheya zachariasii, 101, 128.
Aureaus, 103, 207, 208, 213, 214.
Auricularia auricula-jadae, 103, 110, 130.
Auriculariaceae, 103, 110, 130.
Auxis thazard, 100, 211.
Avena fatua, 103, 194.
A. viridis, 103, 243, 244, 246, 248, 252.
Averrhoa carambola Linn., 100, 44.
Avrainvillea capituliformis, 101, 128.
 erecta (Berk.) A. and E. S. Gepp, 100, 7, 15.
 erecta, 101, 128.
 laurata, 101, 129.
 obscura, 101, 129.
 sordida, 101, 129.
Ayungin, 102, 140.
- B**
- Bacillaria paradoxa*, 101, 129.
Bacillus, 103, 160.
Bacillus subtilis, 102, 7; 103, 149, 153, 154, 155, 160, 161, 207, 208.
Balagilon, 103, 113.
Balatik, 103, 115, 116.
Balimbing, 100, 44, 46.
Balingawag dakal, 103, 129.
Baliyangun, 103, 129.
Baluyango, 103, 128, 129.
Balsaminaceae, 103, 101.
Bambusa vulgaris Schrad.
 ex. Wendl. 100, 57, 59, 64, 66, 68, 69.
Banag, 103, 106.
Banag, limukan, 103, 104.
Banal, 103, 106.
Banana, lakatan, 103, 21, 22.
Banar, 103, 106.
Bangi, 103, 118.
Bangiaceae, 100, 25.
Bangiales, 100, 25.
Bangus, 103, 200.
Barnyard grass, 101, 100, 103.
Basag, 103, 102, 103, 112, 114, 121.
Basikung usa, 103, 129.
Bayog, 100, 59.
Bazzania, 104, 7, 9, 16, 17, 94, 154, 205, 207.
 albicans steph., 104, 115.
 Bonivensis schiffn., 104, 117.
 calcarata, 104, 130, 131-133.
 Mastigobryum calcaratum Loc, 104, 131.
 B. calcarata (Loc.) Schiffn., 104, 131.
 Cedeana (Steph.) Meuser, 104, 135, 136.
 mastigobryum uncigera var nees, 104, 135.
 m. fleisheri Steph., 104, 135.
 m. gedeanum steph., 104, 135.
 concinna, 104, 116.
 coreana steph. 104, 115.
 cucullifolia (Steph.), 104, 151-155, 207; 100, 237.
 m. cucullifolium steph., 104, 154.
 curtiloba Schiffn., 104, 100.
 B.S.F. Gray, 104, 100.
 decuva (Nees), 104, 127.
 Denza, 104, 122, 123, 206.
 elmeri (Steph.), 100, 233; 104, 130, 132-134, 207.
 Mastigobryum elmeri steph., 104, 132.
 M. mindanoi steph., 104, 132, 135.
 Erosa, 104, 144.
 Jungermannia erosa, 104, 144, 145.
 J. erosa var. Nees, 104, 144.
 Herpetium erosum Mont, 104, 144.
 M. Erosium, 104, 144.

- B. gedean*, 100, 233; 104, 130.
B. halconiensis (Steph.), 100, 231, 233; 104, 125, 126, 142, 207.
Bazzania Himalayana, 104, 111, 112, 113, 116, 206.
Mastigobryum himalayanum Mitt., 104, 112.
Mastigobryum gommianum Steph., 104, 112.
M. rupicolum Steph. 104, 112.
B. cepulistipa Herz., 104, 112.
Bazzania Horridula (Schiffn.) Steph., 104, 150, 151.
B. Horridula (Schiffn.) Steph., 104, 150, 151.
Mastigobryum horridulum (Schiffm.) 104, 151.
Bazzania Indica, 104, 144, 147, 150.
M. indicum Gott., 104, 147.
Bazzania Insignis (De Nat.) Trev., 104, 150-153.
M. insigne de Not., 104, 151.
M. insigne (De Not.) 104, 151.
Bazzania Intermedia, 100, 231, 233; 104, 116, 117, 118, 120, 206.
jakusimensis Herik, 104, 127.
javanica (Loc.) Schiffn., 104, 125, 128.
kosayona steph., 104, 115.
Latifolia (Steph.), 104, 130, 139, 140, 206.
M. latifolium (Steph.) Steph., 104, 139.
lobulistipa steph., 104, 115.
loricata, 104, 153.
B. loricata (Reinv.) Bl., 104, 151, 156-159.
Jungermannia loricata Reinv. Bl., 104, 156.
M. loricatum lindenb in Gott., 104, 157.
Bazzania Longicaulis (Lac.) Schiffn. 104, 144, 146. 149.
Mastigobryum minutisserum steph., 104, 207.
Bazzania Luzonensis, 100, 230, 232; 104, 207.
Bazzania manillana, 104, 118, 119-121.
Bazzania merillana (Steph.) 104, 130, 135. 137, 207.
Mastigobryum merillanum steph., 104, 135.
M. insulare steph., 104, 135.
Bazzania minutissima kamimura Contr., 104, 115.
nagasakiensis steph., 104 115.
okamurana steph., 104, 115.
paradoxa, 104, 131.
pectinata (Lindenb & Gott.) 104, 122, 124, 125.
pinniformis steph., 104, 115.
praeupta, 104, 127, 129.
Recurva (Mont.) Trev., 104, 151, 154, 156.
Herptium recurvum mont. 104, 154.
m. recurvum Mont., 104, 154.
B. pallen Trev., 104, 154.
renistipula, 104, 130, 132.
B. renistipula (steph.) Schiffn., 104, 130.
Mastigobryum renistipulum steph., 104, 130.
Bazzania sandei (Steph.), 104, 127, schadenbergii (Steph.) 100, 234, 236, 237; 104, 130, 142.
M. schandenbergii steph., 104, 142, 143.
semperi (steph.) Ioune., 104, 142, 143.
M. semperi steph., 104, 157. 151, 160.
vittata. 100, 231.
Bazzania serrulata, 104, 114.
spiralis, 104, 144, 145, 148.
Jungermannia spiralis, 104, 145.
J. erosa var. *B. Nees*, 104, 145.
M. erosum var. *B. Nees*, 104, 146.
M. spirali Reinw. Bl., 104, 146.
B. schildii Herz., 104, 146.
B. spinalis (Reinw. Bl. and Nees), 104, 146.
Bazzania tenuistipula (Steph.) 104, 115.
Bazzania tridens, 104, 113, 116, 125.
Mastigobryum tridens, 104, 114.
M. oblongum, 104, 114.
B. tridens (Reinw. Bl. & Nees) 104, 144, 207.
Bazzania Uncigera, 104, 130, 139, 140, 141, 206.
Jungermannia uncigera Reinw., 104, 139.
M. uncigerum, 104, 140.
Bazzania wallichiana, 104, 116, 117, 113.
Bazzania whitfordii (Steph.) 104, 130, 135, 207.

- M. whitfordii* (Steph.), 104, 138.
Begonia, 103, 106.
Begoniaceae, 103, 101.
Begonia aequata A. Gray, 103, 134.
Begonia cumingii A. Gray, 103, 134.
Begonia pseudolatalis warb., 103, 134.
Begonia sordissima Elm., 103, 134.
Belalasinong, 103, 128, 129.
Belatakan, 103, 114.
Belatik, 103, 115, 116.
Belitagog, 103, 114, 129.
Belahawan, 103, 128.
Belvisia sp., 103, 131.
Bermuda grass, 100, 76; 101, 15, 16,
 99, 101, 102, 109.
pulchella, 101, 129.
Bidentae, 104, 102.
 I — *B. wiltensii*, 104, 102, 103, 107.
 Mastigobryum wiltensii Steph.,
 104, 102.
 Bazzania wiltensii (Steph.),
 104, 102.
 II — *B. sikkimensis*, 104, 102, 104,
 105, 107, 206.
 mastigobryum sikkimensis
 (steph.), 104, 104.
 Bazzania sikkimensis (steph.).
 104, 104.
 III — *B. subtilis*, 104, 102, 105, 106,
 107, 206.
 M. subtilis Lac., 104, 206.
 B. subtilis (Lac.), 104, 106,
 107.
Biking, 103, 104-106, 109, 116, 125.
Biking roots, 103, 97.
Bixa orellana, 100, 85.
Biyer, 103, 119.
Blepharostoma, 104, 10, 15, 17, 18.
 Blepharostoma (Dum.) Dum, 104, 40.
 B. Trichophyllum, 104, 7, 40, 41.
 Jungermannia trichophylla Mitt.,
 104, 40.
 Ptilidium trichophylla Mitt., 104, 40.
 Chaetopsis trichophylla Mitt, 104, 40.
Blepharostomateaceae, 104, 7, 15, 18, 39.
Blueberry, 103, 14.
Blue-green algae, 100, 6.
Boelageodendron, 103, 113, 130.
Beolageodendron sp., 103, 133.
Boergesania Feldm., 100, 8, 13.
Boergesania forbesaii, 101, 129.
 forbesii (Harv.) Feldm., 100, 8, 13.
Bolo, 103, 111.
Boodlea composita, 101, 129.
 vanbosseae, 101, 129.
Boraginaceae, 103, 101.
Bornetella nitida, 101, 129.
 oligospora, 101, 129.
 ovalis, 101, 129.
 sphaerica, 101, 129.
Borreria Laevis (Lam.) Griseb., 103, 136.
Bostrychia kelanensis, 101, 129.
Botryocarpa prolifera, 101, 130.
Botryocladia kuckuckii, 101, 130.
Brachyura, 104, 1.
Brachiararia mutica (Forssk.) Stapf., 101,
 100.
 subquadripa (Trin.) Hitch., 101, 100
Brachytrichia quoyi, 101, 130.
Brassica integrifolia (West)
 O.E. Schultz, 100, 96; 102, 132, 136.
Breynia, 103, 129.
Breynia cernua (Poir.) Muell. Arg., 103,
 134.
B. subtilis, 103, 210, 212, 213, 214.
Brown algae, 100, 6, 104, 37, 58, 59, 61,
 63.
 Paeophyta, 102, 56.
Brown seaweeds, 102, 55.
Bryopsidaceae, 100, 13.
Bryosis indica, 101, 130.
 pennata, 101, 130.
 lam., 100, 13.
 plumosa (Huds.) C. Ag., 100, 8, 13.
Budakan, 103, 114, 121, 128, 129.
Buergeria, 100, 151.
Bukal tuduk, 103, 114.
Bulahel, 103, 119.
Bulaktiq, 103, 123.
Bufo asper Gravenh. 100, 135, 158.
 biporcatus Gravenh., 100, 134, 136,
 157.
 cruentatus tshudi, 100, 137.
 melanostictus, 100, 134, 135, 158.
 parvus van kampen, 100, 136.
Bulbophyllum emilliorum Ames and Quis,
 103, 132.
 “*Buluhel*,” 103, 108, 113, 122.
 “*Bulung*,” 103, 122, 125.
 “*Bungulan*,” 100, 44, 46.
Burseraceae, 103, 110, 115, 128-130.

Busikung ataw, 103, 128.
 Buy, 103, 120.
 Buy/bui, 103, 119.

C

- Calamansi, 100, 44, 46.
 Calamus, 103, 100, 128.
 Calamus mindorensis, 103, 109, 111.
 blumei cultivars, 102, 2.
 mindorensis Becc., 103, 132.
 sp., 103, 108, 109, 133.
 ornatus, 103, 109, 188.
 ornatus Bl. and Schultz var.
 philippinensis Becc., 103, 132.
 Cajanus cajan (Linn.) mill. sp., 102, 128.
 Callicarpa, 103, 120.
 Callicarpa cumingiana Merr., 103, 133.
 Callista secunda, 104, 91.
 Calobryales, 104, 7, 8, 9, 11, 93.
 Calobryum, 104, 7, 8.
 C. Blumei, 104, 7.
 C. andinum, 104, 7.
 C. rotundifolium, 104, 8.
 C. giganteum, 104, 8.
 C. gibbsiae, 104, 8.
 Caloneis bacillum, 101, 130.
 silicula, 101, 130.
 Calothrix epiphytica, 101, 130.
 viguieri, 101, 130.
 Callophyllis kuetz, 100, 29.
 adhaerens Yam., 100, 24, 29.
 adnata Oka., 100, 24, 29.
 Calocasia esculentum Linn., 100, 96.
 Calypogeia, 104, 197.
 C. Raddi, 104, 197.
 Calypogeia fragilis, 104, 199, 200, 206.
 Mastigobryum fragile Steph., 104, 199.
 Calypogeia fragile (Steph.) 104, 199.
 C. latissima, 104, 199, 201.
 C. latissima Steph., 104, 200.
 Calypogeia, 104, 7, 10, 16, 93, 196, 206.
 Camp anulaceae, 103, 134.
 Campbellosphaeria, 101, 118.
 Campbellosphaeria obversa, 101, 130.
 Campylodiscus clypeus, 101, 130.
 kutzingii, 101, 130.
 Candida albicans, 102, 7.
 Candied juckfruit, 100, 177.
 Canned coconut cream, 103, 175.
 Capsicum anuum Linn., 100, 44.
 frutescens Linn., 100, 44, 85.
 Carabao grass, 101, 15, 16, 100, 130.
 Caratestanella paradoxa, 102, 7.
 Carex continua C.B., Clarke, 103, 131.
 Carex philippinensis Nelm., 103, 131.
 Carica papaya, Linn., 100, 44, 55; 102, 132, 137.
 Carpacanthus cystophyllus, 101, 130.
 guadichaudii, 101, 130.
 ilicifolius, 101, 130.
 microceps, 101, 130.
 spinulosus, 101, 130.
 Carpopeltis capitellata, 101, 130.
 Caryota, 103, 99, 101-103, 121.
 Caryota cumingi, 103, 103, 108.
 C. cumingi Lodd., 103, 133.
 C. palm, 103, 112.
 Casuarinaceae, 101, 106, 108, 110, 103, 130.
 Casuarina, 103, 101, 130.
 Casuarina rumphiana, 103, 100, 116.
 C. rumphiana miq., 103, 134.
 Catharanthus roseus, 100, 85.
 Caulerpa, 101, 119.
 brachypus, 101, 130.
 clavifera, 101, 130.
 crassifolia, 101, 130.
 cupressoides, 101, 130.
 elongata, 101, 131.
 fastigiata, 101, 131.
 freycinetii, 101, 131.
 laetivirens, 101, 131.
 lentillifera, 101, 131.
 macrodisca, 101, 131.
 mexicana, 101, 131.
 microphysa, 101, 131.
 parvifolia, 101, 131.
 peltata, 101, 131.
 peltata Lam., 100, 9, 14.
 plumaris, 101, 131.
 rasemosa, 101, 131.
 rasemosa, (Forssk.) J. Ag., 100, 9, 14.
 selago, 101, 132.
 serrulata, 101, 132.
 serrulata (Forssk.) J. Ag., 100, 9, 15.
 sertularoides, 101, 132.
 sertularoides, (Gmel.) How., 100, 9, 14.
 taxifolia, 101, 133.
 urvilliana, 101, 133.
 vesiculifera, 101, 133.

- Caulepaceae, 100, 14.
 Ceiba pentandra, 100, 85.
 Celidiaceae, 100, 27.
 Celosia argentea, 103, 245.
 Celosia cristata, 103, 246.
 Cenchrus brownii Roem. and Schult., 101, 99, 101, 109.
 Centroceras clavulatum, 101, 153.
 hyalacanthum, 101, 133.
 Ceramiales, 100, 32.
 Ceramium loureiri, 101, 133.
 maryae, 101, 133.
 mazathanense, 101, 133.
 tenuissimum, 101, 133.
 Cerassium auratus, 103, 203.
 Cerceus, 103, 207, 208, 210, 213.
 Chaetomium brasiliense Bat. and Pont., 100, 172.
 globosum kunze ex Fr., 100, 172.
 Chaetomorpha aerea, 101, 133.
 C. Kuetz., 100, 10.
 antennina, 101, 133.
 brachygona, 101, 133.
 clavata, 101, 133.
 crassa, 101, 133.
 crassa (C. Ag.) Kuetz., 100, 8, 10.
 gracillis, 101, 134.
 gracillis Kuetz., 100, 8, 10.
 inflata, 101, 134.
 kellersii, 101, 134.
 linum, 101, 134.
 torta, 101, 134.
 tortuosa, 101, 134.
 Chamaedoris orientalis, 101, 134.
 Champia caespitosa, 101, 134.
 compressa, 101, 134.
 parvula, 101, 135.
 salicornioides, 101, 134.
 spathulata, 101, 134.
 Chanos-chanos, 101, 119
 (Forsk.), 103, 199
 Chara cougesta, 101, 134.
 Chauvina clavifera, 101, 134.
 Cheilosporum cultratum, 101, 134.
 spectabile, 101, 134.
 Chenopodiad type, 103, 245.
 Chico, 100, 44, 46.
 Chirixalus, 100, 151.
 Chisocheton, 103, 110, 115, 128, 130, 134.
 Chisocheton, sp., 103, 134.
 Chlorodesmis comosa, 101, 134.
 Chlorodesmis comosa Harv. and Bail, 100, 8, 13.
 formosana, 101, 135.
 hildebrandtii, 101, 135.
 torresiensis, 101, 135.
 Chloris barbata (L.) Sw., 101, 99, 101, 109.
 Chlorophyta, key to the species of., 100, 7.
 Chlorthanthus officinalis Bl., 103, 134.
 Chondrocacacus hernemanii, 102, 62.
 Chnoospora implexa, 101, 135.
 implexa (Her.) J. A., 100, 18, 21.
 J. Ag., 100, 121.
 minima, 101, 135.
 pannosa, 101, 135.
 sp., 102, 60.
 Chondria dasyphylla, 101, 135.
 sibogae, 101, 135.
 Chondroclonium corsutum, 101, 135.
 Chonrococcus hornemanni, 101, 135.
 Choranthaceae, 103, 101, 129.
 Chordariaceae, 100, 203.
 Chordariales, 100, 203.
 Chrysomenia uvaria, 101, 135.
 Chromotropic, 103, 221, 223.
 Cicer arietinum Linn., 102, 128.
 Cinnamomum, 103, 120.
 Cissus, 103, 129.
 Cissus assamica, 103, 115.
 Cissus assamica Craib., 103, 137.
 Citrus maxima Burna., 100, 44, 45.
 microcarpa Bunge, 100, 44; 102, 137.
 nobilis Lour., 100, 44, 45; 102, 137.
 szinkom, 103, 21, 22.
 Cladophora ackii, 101, 135.
 aegagropila, 101, 135.
 albida, 101, 135.
 diluta, 101, 116, 135.
 fascicularis, 101, 135.
 fuliginosa, 101, 135.
 luzonensis, 101, 116, 135.
 mauritiana, 101, 135.
 pellucida, 101, 135.
 Cladophora quisumbingii, 101, 135.
 trichotoma, 101, 136.
 Cladoporaceae, 100, 10.
 Cladophorales, 100, 10.
 Cladophoropsis philippenensis, 101, 136.
 sundanensis, 101, 136.

- Claudea batanensis*, 101, 136.
Clematis javana, 103, 115.
Clematis javana D.C., 103, 136.
Clerodendron inter medium Cham., 103, 137.
Clethra, 103, 99, 130.
Clethraceae, 103, 130.
Clethra luzonica merr., 103, 134.
Coccochloris pemioceptis, 101, 136.
stagnina, 101, 136.
Cocconeis brevicostata, 101, 136.
pediculus, 101, 136.
placentula, 101, 136.
scutellum, 101, 136.
Coconut water vinegar, 100, 44-46.
Cocos nucifera Linn., 100, 44, 45.
Codiaceae, 100, 15.
Codium Stackh., 100, 17.
Tenue Kuetz., 100, 8, 17.
Codium adhaerens, 101, 136.
arabicum, 101, 137.
bartlettii, 101, 137.
contractum, 101, 137.
coronatum, 101, 137.
dichotomum, 101, 137.
difforme, 101, 137.
elongatum, 101, 137.
geppii, 101, 137.
intricatum, 101, 137.
ovale, 101, 137.
papillatum, 101, 137.
Stackh., 101, 137.
tenue, 101, 137.
tomentosum, 101, 137.
Coffea collinsia, 104, 76.
Coffee, germination and its inhibition, 103, 1.
Coleus blumei, 100, 85.
Coleus blumei Benth., 102, 1.
blumei cultivars, 104, 2.
Collinsia, 104, 76.
Colpomenia sinuata, 101, 138.
sinuosa, 101, 138; 102, 60.
sinuosa (Roth) Derb. and sol., 100, 18, 20.
sp., 102, 60.
Commelinaceae, 103, 131.
Commelina captata (Bl) Clarke, 103, 131.
Compositae, 101, 106, 108, 110; 103, 130.
Conferva congesta, 101, 138.
lia, 101, 138.
litoralis, 101, 138.
littoralis, 101, 138.
pellucida, 101, 138.
setosa, 101, 138.
Coniodictyon splendens, 101, 138.
Copelandosphaeria, 101, 118.
dissipatrix, 101, 138.
Copra meal, 103, 149.
Corallinaceae, 100; 27.
Coralineae, 100, 27.
Corallopsis minor, 101, 138.
salicornia, 101, 116.
Corchorous oliterius Linn., 100, 96.
Coriophyllum setchellii, 101, 138.
Corypha, 103, 103.
Coscinodiscus excentricus, 101, 138.
jonesianus, 101, 138.
lacustris, 101, 138.
marginatus, 101, 138.
rothii, 101, 138.
Cosmos caudatus, 100, 85.
Costaria costata, 100, 204.
Crab grass, 101, 15, 16.
Crotofolaria intermedia, 104, 76.
Crounania attenuata, 101, 138.
Cruciferae, 101, 106, 108, 110.
Cruoriella dura, 101, 138.
fobeolata, 101, 138.
indica, 101, 138.
limoinei, 101, 138.
mariti, 101, 139.
Crustaceae, 104, 1.
Cryptonemiales, 100, 27.
cucumber, 103, 83.
curcuma, 100, 83.
zedoaria, 100, 83.
Cucurbita maxima Duch., 100, 96.
cucurbitaceae, 103, 115.
Curculigo capitulata, 103, 101, 118.
Curculigo capitulata (Lour.) O. Ktze. 103, 131.
Crude fungal enzyme, 103, 230.
Cyathea, 103, 99, 112, 131.
Cyathea sp., 103, 131.
Cyathea sp., 103, 131.
Cyclophorus, 103, 119.
Cyclosorus sp., 103, 131.
Cyclotella atomus, 101, 139.
comensis, 101, 139.

- comta, 101, 139.
 kutzingiana, 101, 139
 maneghiniana, 101, 139
 ocellata, 101, 139.
 stelligera, 101, 139.
Cylindrocarpon sp., 101, 77, 78.
Cymbella affinis, 101, 139.
 aspera, 101, 139
 bengalensis, 101, 139
 cistula, 101, 139
 cuspidata, 101, 139
 delicatula, 101, 139
 gracilis, 101, 139
 naviculiformis, 101, 139
 prostrata, 101, 139
 spicula, 101, 139
 sumatrensis, 101, 140.
Cymbella tumida, 101, 140.
 turgida, 101, 14.
 ventricosa, 101, 140.
Cympolia vanbossei, 101, 140.
 van bosseae, 101, 140.
Cynodon dactylon 100, 76.
 C. dactylon (L.) Pers, 101, 15, 16, 99,
 101, 109.
Cyperaceae, 101, 105, 106, 108, 110, 112,
 114; 103, 101, 131.
Cypholopus moluccanus, 103, 119.
 moluccanus (Bl.) miq., 103, 136.
 sp., 103, 136;
Cyprinid fishes, 104, 76.
Cystandra tagaleurum, 103, 120.
 tagaleurum kranzi, 103, 120.
Cystophyllum hakodatense, 100, 204.
Cystoseira articulata, 101, 140.
- D**
- Dactylis glomerata*, 103, 14, 16.
Daycladus australicus, 101, 140.
Daedea sp., 103, 130.
Daedalea, 103, 110.
Daemonorops, 103, 100.
Dalag, 102, 139, 140.
Dalikan, 103, 128.
Dasydadaceae, 100, 10.
Decapoda, 104, 1.
Delphinium ojacis, 104, 76.
Demania Alkali, 104, 1-3.
 bacalipes, 104, 5.
 cultripes, 104, 5.
 rotunda, 104, 5.
 scaberrima, 104, 5.
 toxica Garth, 104, 1, 2, 5.
 DNA synthesis, 104, 74.
 Demulig bunga biking, 104, 104.
Dendrobium, 104, 89, 91.
 antennatum Lindl., 104, 89, 90.
 crumenatum, 104, 89, 91.
 Hendersonii Hawkes & Heller, 104, 91.
 incosinum Ridl., 104, 91.
 Rudolphii Hawkes & Heller, 104, 91.
 Schmidtianum Krgl., 104, 91.
 (*ceratibium*) *Schweinfurthianum* 104,
 89, 90.
 sp., 103, 132.
Dendrocalamus merrillianus Elm., 100,
 57, 59, 63, 64, 66, 69.
Dendrochilum cagayanense Ames, 103,
 132.
 longispicatum Ames, 103, 132.
Dendrocnide, 103, 101.
 Stimulans, 103, 122.
 stimulans, (L. F.) miq. ex Zoll., 103,
 137.
Denticella biddulphia, 101, 140.
 vanhewski, 101, 140.
Desmia hornemani, 101, 140.
Desmodium laxum, 103, 118, 135.
Desmogonium guianense, 101, 140.
Dicanthium aristatum, 100, 76.
Dicanthium aristatum (Poir.) C. E. Hubb.,
 101, 15, 16.
Dichonema sericeum, 101, 140.
Dichothrix pypsophila, 101, 140.
Dicranopteris, 103, 121.
Dicranopteris, *Linearis*, 103, 114.
 linearis (Brum.) lend, 104, 131.
Dictyocha splendens, 101, 140.
Dictyota sp., 102, 60.
Dictyopteris camiguinensis, 101, 140.
Dictyopteris delicatula, 104, 140.
 divaricata, 100, 201, 203.
 undulata, 104, 140.
Dictyosphaeria cavernosa, 101, 140.
 cavernosa (Forssk.) Boerg., 100, 8, 12.
 favulosa, 101, 141
 intermedia, 101, 141

- setchellii, 101, 141
 vanbosaea Boerg., 100, 8, 12.
 versluisii, 101, 141.
 Dictyosphaeria Deca., 100, 12.
 Distylalineanus, 102, 60.
 Dictyota bartayresiana, 101, 141.
 bartayresii, 191, 141.
 bidentata, 101, 141.
 cervicornis, 101, 141.
 cervicornis kuetz., 100, 18, 19.
 ceylanica, 101, 116, 141.
 dichotoma, 101, 116, 141.
 dichotoma (Huds.) Lam., 100, 18.
 Divaricata, 101, 141.
 divaricata Lam., 100, 18, 19.
 indica, 101, 141.
 lata, 101, 141.
 linearis, 101, 141.
 Dictyotacea, 100, 18, 203.
 Dictyolales, 100, 18, 203.
 Didymochlaena truncatula, 103, 113.
 Didymochlaena truncatulo (Sw.) J. Sm., 103, 131.
 Digera, 103, 245.
 Digera arvensis, 103, 245.
 Digitaria sp., 101, 15, 16.
 Dillenia, 103, 99, 109, 130.
 Dilleniaceae, 103, 130.
 Dillenina megalantha Merr., 103, 134.
 Dinochloa, 103, 100, 115, 117, 124.
 Dinochloa luconiae, 103, 113.
 D. luconiae (Munro) Merr., 103, 132.
 D. scandens auctt. non Kentz., 100, 57, 59, 68, 70.
 D. sp., 103, 114.
 Dioscorea divaricata, 103, 105.
 Dioscorea divaricata Blanco, 103, 131.
 luzonensis, 103, 104.
 numularia, 103, 104.
 numularia Lam (?), 103, 131.
 pyrifolia, 103, 106.
 sp., 103, 131.
 Dioscoreaceae, 103, 104, 105, 131.
 Diploneis ovalis, 101, 141.
 subovalis, 101, 141.
 Diplostomulum spathaceum, 103, 103.
 Dipterocarpaceae, 103, 99, 110, 129.
 Dissochaeta celebica Bl., 103, 135.
 Dryopteris sp., 103, 131.
 Dryopteris, 103, 112.
 Duhat, 100, 44, 46.
- E
- Echinochloa crusgalli, 103, 81.
 crusgali (L.) Beauv., 101, 100.
 crusgali L., 103, 132.
 Ectocarpus indicus, 101, 141.
 irregularia 101, 141.
 Efeui, 103, 124.
 Eisenia bicylis, 100, 201, 204.
 Elatostema, 103, 106.
 E. lutescens C. D. Rob., 103, 136.
 Elatostema sp., 103, 137.
 Eleusine indica, 100, 76.
 indica (L.) Gaerth., 101, 15, 16.
 99, 100, 109.
 Emilia sonchifolia, 100, 85.
 Encoelium clathratum, 101, 141.
 orientale, 101, 142.
 Endosiphonia spinuligera, 101, 142.
 Enteromorpha aragoensis, 101, 142.
 compressa, 101, 142.
 crinita, 101, 142.
 erecta, 101, 142.
 flexuosa, 101, 142.
 intermedia, 101, 142.
 intestinalis, 101, 142.
 lingulata, 101, 142.
 plumosa, 101, 142.
 prolifera, 101, 142.
 ramulosa, 101, 142.
 spinescens, 101, 142.
 tubulosa, 101, 142.
 Enteromorpha clathrata (Roth.) J. Ag., 100, 8, 9.
 intestinalis (Linn.) Link, 100, 8, 9.
 Entophysalis conferta, 101, 143.
 lemaniae 101, 143.
 Epithemia cistula, 101, 143.
 sorex, 101, 143.
 zebra, 101, 143.
 Equisetaceae, 103, 131.
 Equisetum debile Roxb., 103, 131.
 Erechtites, 103, 100, 121, 130.
 Erechtites hieracifolia Rafin, 103, 134.
 Erechtites valerianaefolia (wolf.) D.C., 103, 134.
 Eria orata Smidl., 103, 132.
 Escherichia coli, 102, 7; 103, 207, 208, 209.
 Eucheuma, 101, 119.

- Eucheuma* J. Ag., 100, 31.
 cottonii, 102, 62, 63.
 crawling type, 102, 62.
 dichotomum, 101, 143.
 edule, 101, 143.
 erect type, 102, 62.
 gelatinae, 101, 143.
 isiforme, 101, 143.
 J. Ag., 100, 31.
 muricata, 101, 143.
 muricatum (Gmel.) W. V. B., 100, 24, 31.
 okamurai, 101, 143.
 procrusteanum, 101, 143.
 prostrate, 102, 62.
 sp., 102, 61, 62, 63, 67.
 spinosum, 101, 143.
 sp., 102, 61, 63.
 striatum, 101, 143.
Eulymenia *limensis*, 101, 143.
Eunotia *camelus*, 101, 143.
 denticulata, 101, 143.
 didyma, 101, 143.
 exigua, 101, 143.
 flexuosa, 101, 143.
 gracilis, 101, 143.
 lunaris, 101, 143.
 monodon, 101, 144.
 pectinalis, 101, 144.
 robusta, 101, 144.
 tschirchiana, 101, 144.
Euphorbiaceae, 103, 111, 128, 129.
Exophyllum *wentii*, 101, 144.
- F
- Falawan/Ketalunan*, 103, 115.
Faliyu ubal, 103, 129.
Ferns, 103, 131.
Ficus, 103, 101, 106, 110, 128-130.
 ampelos Burm. f., 103, 135.
 botryocarpa Miq., 103, 135.
 cassydia Roxb., 103, 135.
 conora king., 103, 135.
 minahossae (Tlysm. and De Vr.) Miq., 103, 135.
 septica Brum., f., 103, 135.
 subulata Bl., 103, 136.
 vergata Kein. ex Bl., 103, 136.
Finoqon, 103, 128.
- Folic*, 103, 221.
Fomes sp., 103, 130.
Foxtail, 101, 99-101.
Fragaria vesca Linn., 101, 44, 137.
Fragilaria *construens*, 101, 144.
 crotonensis, 101, 144.
 pinnata, 101, 144.
Freycinetia, 103, 100, 121, 129.
Frigate mackerel, 100, 211.
Freycinetia sp., 103, 133.
Frullania, 104, 47, 56, 69, 193, 204.
Frustulia *rhomboides*, 101, 144.
 vulgaris, 101, 144.
Fucaceae, 100, 21, 204.
Fucales, 100, 21, 204.
Fucus, 102, 57.
Fucus denticulatus, 101, 144.
Fucus edulis, 101, 204.
 evanescens, 100, 204.
 "gulaman" Bico., 101, 115, 144.
 natans, 101, 144.
 prolifer, 101, 144.
 versiculosus, 100, 204.
Furcraea, 100, 112.
Fungal proteolytic enzymes, 103, 230.
Fungi, 103, 130.
Fusarium *moniliforme*, 102, 7.
Fusew, 103, 107, 109, 128.
- G
- Gabi leaves*, 100, 95, 97, 93, 100-102.
Galaxaura, 100, 118.
 apiculata, 101, 144.
 arborea, 101, 144.
 constipata, 101, 144.
 cylindrica, 101, 144.
 cylindrica (Ell. and Sol.) Lam., 100, 24, 26.
 dimorpha, 101, 144.
 fasciculata, 101, 144.
 fastigiata Decca., 100, 24, 26.
 fruticulosa, 101, 145.
 kjellmanii, 101, 145.
Galaxaura oblongata, 100, 145.
 oblongata (Ell. and Sol.) Lam., 100, 24, 26.
 sibogae, 101, 145.
 squalidae, 101, 145.
 subuerticillata, 101, 145.

- umbellata, 101, 145.
- veprecula, 101, 145.
- Gallionella sulcata, 101, 145.
- Ganit-ganit, 101, 100, 103.
- Ganoderma sp., 103, 130.
- Garnotia stricta Brogn., 103, 132.
- Gelidiales, 100, 27.
- Gelidiella Feldm., and Ham., 100, 27.
 - acerosa (Forrsk.) Feldm. and Ham., 100, 24, 27.
- Gelidopous sp., 102, 62.
 - Gelidiella acerosa, 102, 62
 - Gelidium 102, 57.
- Gelidiopsis intricata, 101, 145.
- Gelidium anthonii, 101, 145.
 - pulchellum, 101, 145.
 - rigens, 101, 145.
 - rigidum, 101, 145.
 - spiniforme, 101, 145.
- Gesneiraceae, 103, 120.
- Geunsia sp., 103, 137.
- Geunsia, 103, 120, 130.
- Gigantochola, 100, 57.
- Gigartina gelatinosa, 101, 145.
- Gigartinales, 100, 30.
- Glabu dakal, 103, 122.
- Gleicheniaceae, 103, 114, 131.
- Globa parviflora, 103, 122.
- Globa parviflora Presl., 103, 133.
- Glochidion, 103, 99, 129.
- Glochidion lancifolium
 - C. B. Rob., 103, 134.
- Gloesporium musarum, 103, 25.
- Gloiocladia ramellifera, 101, 145.
- Glycine max. Lin., 102, 128.
- Gomphonema acuminatum, 101, 145.
 - angustatum, 101, 145.
 - clevei, 101, 145.
 - gracile, 101, 145.
 - intermedium, 101, 146.
 - intricatum, 101, 146.
 - lanceolatum, 101, 146.
 - longiceps, 101, 146.
 - lingulatum, 101, 146.
 - parvulum, 101, 146.
 - subtile, 101, 146.
- Gomphrena celosiodides, 103, 245.
- Gomphrena decumbens, 103, 246.
- Goniolithon rainboldi, 101, 146.
- Goniothalamus, 103, 99, 130.
- Goniothalamus sp., 103, 133.
- Goniotrichium elegans, 101, 146.
- Gossypium hirsutum, 100, 85.
- Gracilaria, 101, 61, 119.
 - arcuata, 101, 146.
 - canaliculata, 101, 146.
 - compressa, 101, 146.
 - confervoides, 101, 146.
 - crassa, 101, 146.
 - dactyloides, 101, 146.
 - encheumoides, 102, 61, 62, 146.
 - encheumoides Harv., 100, 26, 31.
 - Grev., 100, 30.
 - lacinulata, 101, 146.
 - lichenoides, 101, 146.
 - salicornia (Ag.) Daws., 101, 116, 146.
 - salicornia (C. Ag.) Daws, 100, 24, 30.
 - sp. 102, 62.
 - spp. 102, 57, 61.
 - verrucosa, 102, 62, 146.
 - verrucosa (Huds.) Papenf., 100, 25, 30.
- Gracilariaceae, 100, 30.
- Gracilaria encheumoides Harvey, 102, 63, 67.
- Gramineae, 101, 76, 105, 106, 107, 109, 110, 114.
- Graminaca 103, 101, 113, 117, 124.
- Grammatophora oceanica, 101, 147.
- Grandstipulae, 101, 111.
- Grateloupia C. Ag., 100, 29.
 - dichotoma C. Ag., 100, 24, 29.
 - filicina, 101, 147.
- Grateloupiaceae, 100, 28.
- Green algae, 100, 6.
- Griffithsia ovalis, 101, 147.
- Guadua, 100, 57.
- Guava, 100, 44-46, 71.
- Guinea grass, 101, 99, 101, 102, 109.
- Gumaqan, 103, 112, 135.
- Gunneraceae, 103, 112.
- Gunnera mycophylla Bl., 103, 135.
- Gurami, 102, 139.
- Guvalad biku, 103, 115.
- Guyabano, 100, 44, 46.
- Gymecia, 104, 14.
- Gymnogongrus dilatatus, 101, 147.
- pygmalus, 101, 147.
- Gyrosigma distortum, 101, 147.
 - kutzingi, 101, 147.
 - scalpoides, 101, 147.

H

- Halicoryne* Harv., 100, 11.
Halicoryne wrightii, 100, 147.
Halicoryne wrightii Harv., 101, 7, 11.
Halicystis ovalis, 101, 147.
Halimeda, 101, 117.
 cuneata, 101, 147.
 cylindracea, 101, 147.
 cylindrica, 101, 147.
 discoidea, 101, 147.
 gigas, 101, 147.
 gracilis, 101, 147.
 incrassata, 101, 148.
 macroloba, 101, 148.
 macroloba Deca., 100, 8, 17.
 macrophysa, 101, 148.
 micronesica, 101, 148.
 monile, 101, 148.
 opuntia, 101, 148.
 opuntia (Linn.) Lam., 100, 8, 16.
 tridens, 101, 148.
 triloba, 101, 149.
Halimeda tuna, 101, 149.
 tuna Lam., 100, 8, 16.
 velasquezii, 101, 149.
 velasquezii Tayl., 100, 8, 16.
Haloplegma duperreyi, 101, 149.
Halycaryne wrightii, 101, 149.
Halymenia C. Ag., 100, 28.
 durvillaei, 101, 149.
Halymenia dilatata, 101, 149.
 durvillaei, 101, 149.
 durvillaei Bory, 102, 24, 28, 62, 67.
 formosa, 101, 149.
 harveyana, 101, 149.
 maculata, 101, 149.
 sp., 102, 62.
 spp., 102, 57, 61.
Hantzschia amphioxys, 101, 149.
 sigma, 101, 149.
Haplomitrium, 104, 8, 9, 12.
Haplomitrium calobryum, 104,
 giganteum gralle, 104, 13.
 H. gibbsiae, 104, 9.
 H. giganteum, 104, 7, 15.
 H. giganteum (Steph.) Goll. 104, 13,
 14.
 H. intermedium, 104, 7, 11.
 H. Nees, 104, 12.
H. Tylimanthus giganteum Steph., 104, 13.
Helianthus annuus, 100, 85.
Helminthis cataract of the eye, 103, 203.
Helminthocladiaceae, 100, 25.
Hepaticae, 104, 7, 9, 18.
Herberta, 104, 7, 9, 10, 15, 17, 19, 204,
 205.
Herberta Adunca, 104, 20, 33, 207.
 Jungermannia adunca Dicks., 104, 32.
 Herberta adunca (Dicks.), 104, 32.
 Herbertus aduncus, 104, 32.
 schisma aduncus, 104, 32.
 sendtenera juniperina Nees, 104, 32.
Herberta Angustissima, 104, 20, 22, 24,
 25, 206.
 Schisma angustissimum Herz., 104, 23.
 Herberta divaricata (Hertz.) Miller,
 104, 23.
Herberta Chinensis, 104, 20, 36, 39, 229.
 A. chinensis Steph., 104, 35.
 Schisma Chinensis (Steph.), 104, 35,
 36.
 Steph., 104, 35.
 Milleriana Ros., 104, 227.
Herberta Circinata, 104, 20, 21, 28.
 Schisma circinatum Steph., 104, 21.
 Herberta circinata (Steph.), 104, 21.
Herberta Decurrens, 104, 20, 30.
 schisma decurrens Steph., 104, 30, 207.
 H. decurrens (Steph.) Miller 104, 30,
 31.
Herberta Divaricata, 104, 20, 22, 23.
 schisma divaricatum Herz., 104, 22.
Herberta Fragilis, 104, 20, 30.
 schisma fragile Steph., 104, 28.
 Herberta fragiles (Steph.) Miller, 104,
 28.
Herberta handelii, 104, 20, 28, 29.
 H. handelii Nichols, 104, 28.
Herberta hutchinsiae, 104, 33.
Herberta Javanica, 104, 20, 26, 27,
 Schisma decurrens Steph., 104, 26.
 Herberta javanica (Steph.) Miller, 104,
 26.
Herberta lonfolia, 104, 20, 37.
 H. longfolia Horik., 104, 35.
Herberta longispina, 104, 20, 22, 26,
 207.
 Herberta longispina Jack & Steph.,
 104, 25.

- Schisma longispinum* (Jack & Steph.) 104, 25.
Herberta Milleriana, 104, 21, 38, 207.
H. milleriana del Rosario, 104, 38.
Herberta Parissi, 104, 20, 34.
schisma parisii steph., 104, 34.
Herberta parisii (Steph.) Miller, 104, 34.
Herberta temsis, 104, 33.
Herbertales, 104, 7, 9, 10, 15, 16, 93, 94, 204, 207.
Herbertenae, 104, 7, 10, 15, 18, 204.
Herposiphonia delicatula, 101, 149.
pacifica, 101, 149.
parca, 101, 149.
prorepens, 101, 149.
tenella, 101, 149.
Heterochordaria abietina, 100, 203.
Heterospathe, 103, 11, 113, 116, 120.
Heterospathe sp., 103, 109, 133.
Heterosiphonia maulleri, 101, 150.
Hito, 102, 140.
Hizikia fusiformis, 100, 204.
Homalomena 103, 116.
Homalomena philippinensis Endl., 103, 131.
Homalanthus, 103, 100.
Hordeum, 104, 74.
Hormophysa kuetz., 102, 21.
triquetra, 102, 59, 60, 150.
triquetra, (C. Ag.) kuetz., 102, 18, 21.
Hydnophytum farmicarum Jas., 103, 136.
Hydrangea sp., 103, 136.
Hydroclatrus, 102, 59.
Borg, 100, 21.
clathratus, 100, 60, 61, 150.
clathratus (Bory) How., 100, 18, 21.
sp., 100, 60, 63.
orientalis, 100, 150.
Hyla aurifasciata kuhl and van Hass., 100, 156.
aurifasciatus Schleg., 100, 156.
leucomystax Boie, 100, 154.
Hylarana, 100, 143.
chalconata, 100, 157, 158.
chalconata chalconata Schleg., 100, 147.
chalconata raniceps, 104, 100.
jerboa Gunt, 100, 149.
micobariensis Stol., 100, 148, 155.
Hypnea, 100, 119.
Lam., 100, 31.
cervicornis, 101, 150.
charoides, 101, 150.
cornuta, 101, 150.
divaricata, 101, 150.
esperi, 101, 150.
musciiformis, 101, 150.
musciiformis var hipponoides, 102, 61.
nidulans, 101, 150.
Hypnea spinella, 101, 150.
valentiae, 101, 150.
Hypneaceae, 101, 31.
Hypoglossum attenuatum, 101, 150.
serrulatum, 101, 150.
spathulatum, 101, 150.
Hypsiboas reinwardtii Boei, 100, 151.
- I
- Impatiens*, 103, 128.
Impatiens parviflora, 103, 14, 16, 17.
Impatiens sp., 103, 134.
Imperata cylindrica (L.) Beauv., 101, 24.
cylindrica (L.) Beauv., var. *koenigii* (Retz.) benth., 101, 100.
cylindrica (L.) Beauv. var *major* (Nees) C. E. Hubb., 103, 99, 101.
Inay wagon, 103, 118.
Instant coco skim milk 103, 176.
Instant skim milk, 103, 176.
International Rice Research Institute (IRRI), 104, 74.
Ipomea aquatica Forsk., 103, 136.
batatas (Linn.) Poir. 102, 132, 135, 136.
Ipomea triloba, 100, 85.
Isanthera discolor maxim, 103, 135.
Isthmia minima, 101, 150.
Isostachis, 104, 7, 15, 17, 43.
armata, 104, 44, 45, 46.
Jungermannia Armata Nees., 104, 44.
Isostachi Armata (Nees) Gott., 104, 44.
Isostachis Japonica, 104, 44, 206.
Isostachis japonica Steph., 104, 44, 45.
I. turgida Herzog, 104, 44.
Isostachis Mitten, 104, 43.
Isotachidaceae, 104, 7, 15, 18, 43.
Ixora, 103, 129, 130.

Ixora bartilingii, 104, 114.
Ixora bartilingii Elm., 104, 136.

J

Jania pumila Lam., 100, 23, 28.
Jania rubens, 101, 150.
 tenella, 104, 150.
 tenuissima, 101, 151.
Janetosphaeria, 101, 118.
 aurea, 101, 150.
 Java grass, 101, 99-102, 109.
Japonica, 104, 77.
 Joist grass, 101, 100, 103.
 Johnson grass, 101, 100, 103.

K

Kabasi, 102, 140.
 Kabugatan dakal, 103, 121, 129.
Kadsura philippinensi Elm., 103, 135.
 Kalabasa tops, 100, 95, 97, 98, 101.
 Kalawan sefet, 103, 115.
Kallymenia J. Ag., 100, 29.
 sessiles Oka., 100, 24, 29.
 Kalibiling, 103, 11, 112.
 Kalikin, 103, 129.
 Kamote tops, 100, 95, 96, 102.
 Kanag nogen, 103, 121.
 Kanagnagon, 103, 129.
 Kangkong, 100, 95, 96, 100, 102.
 Katagas, 103, 116.
 "Kawayan-dilaw," 100, 59.
 "kawayan-kiling," 100, 59.
 Kayu sebang, 103, 113.
 Keitugitug, 103, 113.
 kelakaq 103, 129,
 Kele nateq, 103, 103.
 Keletifoy, 103, 129.
 Kelimataqan, 103, 129.
 Kelinga wayug, 103, 115.
 Kesisang ubal, 103, 115.
 Kifulog, 103, 107.
 Kofoe, 103, 128.
 Kogon, 101, 24, 99-102, 109.
 Kohan, 103, 109, 119, 120.
 Kolo, 103, 128.
 Kulot batang, 103, 110.
 Kulot bigtales, 103, 110
 Kulot maya, 103, 110.

Kulot tangulung, 103, 110.
 Kulot tuliyo, 103, 110.
 Kulot ubal, 103, 110.
 Koro-korosan, 101, 99, 101, 102, 109.

L

Labiatae, 102, 1.
 Labunan, 103, 129.
Lactobacillus, 103, 221.
Lagena williamsonii, 101, 151.
Lagerstroemia speciosa, 100, 85.
 Lagenan tolung, 103, 119, 123.
Laminaria angustata, 100, 203.
 digitata, 100, 202, 203.
 foeroensis 100, 202.
 japonica, 100, 204.
 ochotensis, 100, 204.
Laminariaceae, 100, 203.
Laminariales, 100, 203.
 Langka, 100, 177, 178.
Lantuca, 103, 106.
Lantuca Laevigata (BL.) CC, 103, 134.
Lastanthus, 103, 129.
Lasianthus sp., 103, 136.
 Lasug ubal, 103, 129.
 Latundan, 100, 44-46.
 Laurencia, 103, 120.
Laurencia cartilaginea, 103, 151.
 ceylanica, 103, 151.
 clavata, 103, 151.
 concinna, 103, 151.
 dendroidea, 103, 151.
 japonica, 103, 151.
 majuscula, 103, 151.
 mariannensis, 103, 151.
 obtusa, 103, 151.
 papillosa, 103, 151.
 parvipapillata, 103, 151.
 pinnatifida, 103, 151.
 subsimplex, 103, 151.
Laurencia Lam., 100, 32.
 cartilaginea Yam., 100, 32, 24.
 papillosa (Forssk.) Grev., 100, 24, 32.
Laurencia sp., 102, 62;
Laurencia papillose, 102, 67.
 Lurigan adaw, 103, 120.
Leathesia difformis, 101, 151.
 Leca, 103, 101.
 Lefunuq, 103, 109, 117, 128.

- Leguminosae, 103, 101, 118, 123.
 Leguminosae, 101, 105-108, 110, 112, 114.
 Lekek, 103, 110, 112, 117, 118, 123.
 Lemma, 103, 192.
 Lemma minor, 100, 85.
 Lepicolea, 104, 7, 15, 17, 53, 206.
 Lepicoleaceae, 104, 7, 9, 10, 15, 52.
 Lepicolea Dum., 104, 52.
 Lepicolea loriana, 104, 53, 54, 55.
 L. loriana Steph., 104, 53, 54.
 J. ochroleuca B. tenerior Nees, 104, 54.
 J. ochroleuca Y Nana Nees, 104, 54.
 L. simplicior Herz., 104, 54.
 Senttenera ochroleuca Y nana Nees, 104, 54.
 Lepicolea scolopendra, 104, 55.
 Lepidozia, 104, 7, 16, 17, 95, 177, 207.
 Lepidozia Biloba Herz., 104, 163, 171, 174, 183, 207.
 Lepidozia Borneensis Steph., 104, 162, 164, 166.
 Lepidozia cladorhiza, 104, 162-164, 165.
 J. cladorhiza, 104, 163.
 M. cladorhiza, 104, 163.
 L. macgregerii Steph., 104, 164.
 Lepidozia cordata, 104, 167.
 L. cordata lindenb., 104, 170, 173.
 Lepidozia Dum., 104, 159, 162.
 Lepidozia Expansa, 104, 163, 182, 183.
 L. expansa Steph., 104, 181.
 Lepidozia Fauriana, 104, 163, 180, 206.
 J. fauriana Steph., 104, 180.
 L. panicifolia Steph., 104, 180.
 L. vitrea Steph., 104, 180.
 Lepidozia gonyotricha, 104, 172.
 Lepidozia Hampeana, 104, 163, 168, 207.
 L. hampeana Lindenb., 104, 167.
 Lepidozia holorrhiza, 104, 164.
 Lepidozia Loheri, 104, 163, 169, 207.
 L. loheri steph., 104, 1068.
 Lepidozia reptans, 104, 163, 171.
 Jungermannia reptans L., 104, 170.
 L. reptans (L.) Dum., 104, 170.
 L. obliqua steph., 104, 170.
 L. subalpina Haff., 104, 170.
 Pleuroschima reptans (L.) Dum., 104, 170.
 Lepidozia subintegra, 104, 163, 177-179, 206.
 L. subintegra lindenb., 104, 177.
 M. subintegra (Lindenb.), 104, 178.
 L. filma Steph., 104, 178.
 L. squamifolia Nichols, 104, 178.
 Lepidozia squamifolia, 104, 177.
 Lepidozia supradecomposita, 104, 163, 177, 178.
 L. supradecomposita Lindenb., 104, 177.
 Lepidozia tranquilifolia Steph., 104, 184.
 Lepidozia tridrodies, 104, 163, 174-176, 206, 207.
 Jungermannia trichodes, Reinw., B., 104, 174.
 Mastigophora trichodes, 104, 174.
 L. tenuissima steph., 104, 175.
 Lepidozia Wallichiana, 104, 163, 172, 174, 175, 183, 206.
 L. wallichiana Gott., 104, 172.
 M. wallichiana (Gott.), 104, 172.
 L. planifolia Steph., 104, 172.
 Leptobacterium hasselti, 100, 158, 159.
 Leucosyke, 103, 129.
 Leucosyke capitillata, 103, 119.
 Keucosyke capitillata var eucapitillata, 103, 117.
 Leucosyke capitellata (Pasi.) Wedd.
 Var *Lucapitillata* M. Unrub, 103, 137.
 Leucosyke nivea C.B. Rob, 103, 137.
 Leveillea gracilis, 101, 151.
 jungermanniodes, 101, 151.
 Liagora buerfesenii, 101, 151.
 cenomyce, 101, 151.
 cerandides, 101, 151.
 divaricata, 101, 152.
 farivosa, 101, 152.
 hawaiiiana, 101, 152.
 Japonica, 101, 152.
 pulverulenta, 101, 152.
 Liagora Lam., 100, 25.
 caenomyce Deca., 100, 23, 25.
 ceranoides La., 100, 24, 25.
 farinosa Lam., 100, 24, 25.
 valida Harv., 100, 24, 26.
 Liagoropsis schramimi, 101, 152.
 Liliaceae, 103, 101, 106, 111, 113, 114, 127.
 Linguon, 100, 128.
 Lithocarpus, 103, 99, 104, 121.
 Lithocarpus sp., 103, 135.

Lithothammium Phil., 100, 27.
 erubescens Fosl., 100, 23, 27.
Lithothamnion australe, 101, 52.
 byssoides, 101, 152.
 calcareum, 101, 152.
 fruticulosum, 101, 152.
 polymorphum, 101, 152.
Lithothamnion pulchrum, 101, 152.
 siamense, 101, 152.
 simulans, 101, 152.
Lithophyllum moluccense, 101, 152.
 okamura, 101, 152.
 okamurai, 101, 152.
Lolium parens, 103, 15.
Lolium spp., 103, 15.
Lopchocladia lallemandi, 101, 152.
Lophosiphonia cristata, 101, 152.
Lugimit, 103, 128, 129.
Lumbang 101, 95.
Lumbang oil, 102, 13, 14, 15, 20.
Lutlutan, 101, 117.
Luya-luyahan, 101, 100, 103.
Lycopersicum esculentum Mill., 100, 44, 45, 85.
Lycopersicum esculentum Miller., 102, 132, 137.
Lymbya ferruginea, 101, 152.
 majuscula, 101, 152.

M

Mabulah ulu, 103, 123.
Macaranga, 103, 100.
macrocytis, 103, 57.
Maesa, 103, 115.
Maesa denticulata mez., 103, 136.
Maesa sp., 103, 136.
Magamem, 103, 129.
Maganaw, 103, 109.
Magnoliceae, 103, 135.
Maktaqan, 103, 129.
Malaga bunga, 103, 129.
Maliafa, 103, 120, 121, 129.
Malunggay 100, 95, 96, 100.
Managan manok, 103, 120.
Mangebe 103, 110, 120, 129.
Mangifera Indica Linn., 103, 137.
Mango, 100, 44, 46.
Mango, "piko", 103, 21, 22.
Marantaceae, 103, 101, 116, 118, 127.

Marquis wheat, 103, 14.
Martensia speciosa, 101, 152.
Mastigobryum cucullifolium Steph., 101, 237.
 elmeri Steph., 101, 233.
 halconiensis, 101, 233.
 luzonense Steph., 101, 230.
 mindanai Steph., 101, 233.
Mastigobryum albicans Steph., 104, 115.
 cardotii Steph., 104, 115.
 concinum De Not., 104, 116.
 copelandii Steph., 104, 115.
 coreanum Steph., 104, 115.
Mastigobryum crenatistipulum Steph., 104, 119.
 decurvum (Nees.), 104, 127.
 densum Lac., 104, 122.
 dubium (Lindenb.) and Gott., 104, 127.
 evansii, 104, 122.
 everettii, 104, 135.
 halconiensis Steph., 104, 125.
 intermedium, 104, 116.
 javanicum Lac., 104, 125.
 koyasanum Steph., 104, 115.
 lagunae Steph., 104, 115.
 lobulistipum Steph., 104, 115.
 manillanum Gott., 104, 118.
 mindorensis Steph., 104, 122.
 minutidens, 104, 159.
 nagasakiensis (Steph.), 104, 115.
 okamuranum Steph., 104, 115.
Mastigobryum olivaceum Steph., 104, 115.
 orientale (Steph.) 104, 115.
 pectinatum lindenb & Gott., 104, 122.
 philippineae, 104, 118.
 pinniformi Steph., 104, 115.
 praeruptum, 104, 125.
 reinwardtii Lac., 104, 124, 125.
 samoanum steph., 104, 118.
 sandei Steph., 104, 127.
 serrulatum Mitten, 104, 144.
 takearum Steph., 104, 115.
 kenuistipulum Steph., 104, 115.
 tjiberrum Steph., 104, 115.
 tridens var Gott., 104, 122.
 typicum Steph., 104, 115.
 wallichianum 104, 117.

- Mastigophora*, 104, 7, 15, 17, 47.
M. Acquifolia, 104, 52.
M. Nees, 104, 48.
M. gracillima, 104, 48, 49, 207.
M. gracillia Steph., 104, 48.
M. Dicladus, 104, 48-51, 207.
M. Dicladus (Bird.) Nees, 104, 49.
Jungermannia declados Bird, 104, 49.
M. dicladus (Bird.) Nees, 104, 49.
Mastigophora sendtanera dicladus Endl., 104, 49.
J. subaequifolia Nees & Mont., 104, 49.
S. formicata Endl., 104, 49.
S. fissa Nees, 104, 49.
S. leioclada Hook, 104, 49.
J. leioclada Tayl., 104, 49.
Sendtanera mascarenica Mitt., 104, 49.
Mastiphora decaisei, 101, 152.
Licheniformis 101, 153.
macrocarpa, 101, 152, 153.
melobesioides, 101, 153.
rosea, 101, 153.
Mata usa, 103, 109, 110, 115, 128, 130.
Matalum, 103, 123.
Mayana, 103, 1.
Mebanal, 103, 105, 106.
Medinilla, 103, 129.
Medinilla teysmanu Miq., 103, 135.
Megalophrys montana Bowl., 100, 138.
Meglungan, 103, 112, 117, 128.
Megophyra monticola Kuhl and Van Has., 100, 138, 141, 158.
Mekulad, 103, 130.
Melagulang, 103, 130.
Melastoma, 103, 128.
Melastoma polyandra, 100, 85.
Melastomataceae, 103, 101, 116.
127-129.
Melabanal, 103, 106.
Melanaboq, 103, 130.
Melastoma mindanaense Merr., 103, 135.
Melastomaceae, 103, 130.
Melathria mucronata, 103, 115.
Melathria mucronata (BL.) Cogn., 103, 134.
Melefakid, 103, 11, 119, 128.
Melosira granulata, 101, 153.
octogona, 191, 153.
roseana, 101, 153.
ruttneri, 101, 153.
similis, 101, 153.
undulata, 101, 153.
varians, 101, 153.
Memoradica charantia, 103, 109.
Menilsil, 103, 129.
Menispermaceae, 103, 135.
Mentha cordifolia opiz, 103, 13, 17, 67-70.
Mesoglea microcarpa, 101, 153.
Meridon criculare, 101, 153.
Merrilosphacria, 101, 118.
africana, 101, 153.
carteri, 101, 153.
Metacalypogeia, 104, 7, 16, 197, 206.
Metacalypogeia (Hatt.) Loune, 104, 200.
M. cordifolia, 104, 202, 203, 206.
C. cordifolia, 104, 202, 203, 206.
C. sendaica Steph., 104, 202.
C. viridis Steph., 104, 202.
C. stephaniana Byrd., 104, 202.
M. cordifolia (Steph.), 104, 202.
Metroxylon spp., 104, 103.
Metzgeriales, 104, 8, 9.
Microcladia glandulosa, 101, 153.
Microcascus pyogenes, 103, 207, 208.
Micropipettes, 102, 222.
Microsorium, 103, 107.
Microsorium sp., undertermined, 103, 131.
Microdiktyon agardhianum, 101, 153.
clathratum, 101, 153.
montaguei, 101, 153.
embilicatum, 101, 153.
vambossae, 101, 153.
Milobesiae, 100, 27.
Milobesiae farinosa, 101, 153.
foliacea, 101, 513.
Micrococcus aureus, 102, 7.
resistant to pencillin, 102, 7.
Miscanthus, 103, 101.
Miscanthus floridulus, 103, 115.
Meristotheca J. Ag., 100, 31.
papulosa (Mont.) S. Ag., 100, 24, 31.
Microdictyon Deca., 100, 12.
agardhianum Deca., 100, 8, 12.
Microlepidozia, 104, 7, 15, 17, 18, 49, 95, 159, 193, 204.

- Microlepidozia Gonyotrichia*, 104, 194, 198.
M. gonyotrichia (Lac.) del Rosario, 104, 195, 196.
L. gonyotrichia Lac., 104, 195.
kurzia crenacanthoidea V. Martens, 104, 195.
L. crenacanthoidea (V. martens), 104, 195.
L. trisetula Herz., 104, 195.
Kurzia gonyotrichia (Lac.), 104, 195.
Microlepidozia (spruce) Joerg., 104, 193.
Microlepidozia Makinoana, 104, 194-196.
Lepidozia setacea auct., 104, 194.
L. makinoana Steph., 104, 194.
L. sylvatica Evans., 104, 194.
L. exigua Steph., 104, 194.
M. makinoana (Steph.) Hatt., 104, 194.
M. sylvatica (Evans.) Joerg., 104, 194.
kurzia makinoana Steph., 104, 194.
Telaranea sylvatica (Evans), 104, 194.
Microphyla achatina Tschudi, 101, 141, 142, 159.
annectens van kamp., 100, 142.
palmipes Boul., 100, 142, 158, 159.
Microphylidae, 100, 131.
Mimosa pudica, 100, 76.
Mogisalawa, 103, 128.
Moqok, 103, 130.
M. pyogemes, 103, 207, 214.
Moraceae, 103, 129, 130; 101, 105-107, 110, 112, 114.
Morace, 100, 76.
Moringa oleifera Lam., 101, 154.
Monostroma latissimum, 101, 154.
nitidum, 101, 154.
Moreaceae, 100, 76.
Morus migra Linn., 100, 44, 45.
Mulberry, 100, 44-46.
Muntingia calabura Linn., 100, 44.
Mura errans, 103, 118.
Mura errans (Blco.) Teodora, 100, 132.
Musa, 100, 128.
Musa textilis Wee, 103, 188.
Musaceae, 103, 188, 128.
Mussaenda, 103, 130.
Mussaenda philippica A. Rich., 104, 136.
Musa sapientum var. *cinerea* Linn., 100, 44, 45.
 Linn., 100, 44, 45.
sapientum var. *grandis* linn., 100, 44, 45.
sapientum var. *suaneolens* Bico, 100, 44.
Mustasa, 100, 95, 97, 100, 101.
Mycobacterium tuberculosis, 102, 607, 7.
Mycoides, 103, 207, 208, 210, 213.
Myrtaceae, 103, 105, 106, 108, 110, 112, 114.
Myrsinaceae, 103, 115, 129.
Myrothecium verrucaria (A. and S.) Dit., ex. Fr., 100, 172.
- N
- Nafuaf*, 103, 113, 115, 117.
Nafuaf usa, 103, 114, 115, 124.
Nangka, 100, 44, 46.
Nangamaytas, 103, 117, 123.
Navicula americana, 101, 154.
anglica, 101, 154.
arvensis, 101, 154.
bacilliformis, 101, 154.
bacillum, 101, 154.
brekkaensis, 101, 154.
bryophila, 101, 154.
cari, 101, 154.
citrus, 101, 154.
confervacea, 101, 154.
contenta, 101, 154.
cryptocephala, 101, 154.
cuspidata, 101, 154.
dicephala, 101, 154.
elegantoides, 101, 154.
elongata, 101, 154.
exigue, 101, 155.
grimmei, 101, 155.
halophila, 101, 155.
insignita, 101, 155.
insaciabilis, 101, 155.
lagerheimi, 101, 155.
lanceolata, 101, 155.
luzonensis, 101, 155.
lyra, 101, 155.
mesolinae, 101, 155.
minisculus, 101, 155.
minima, 101, 155.
minuscule, 101, 155.
mucicoloides, 101, 155.

- murali, 101, 155.
 mutica, 101, 155.
 pseudobryophila, 101, 155.
 pupula, 101, 155.
 pygmaea, 101, 155.
 radiosa, 101, 156.
 rhynchocephala, 101, 156.
 riparia, 101, 156.
 ruttnerim, 101, 156.
 schonfeldi, 101, 156.
 schroeteri, 101, 156.
 scutelloides, 101, 156.
 seminulum, 101, 156.
 subarvensis, 101, 156.
 subdecussis, 101, 156.
 subrhynchocephala, 101, 156.
 variostrata, 101, 156.
 viridula, 101, 156.
 Natek, 103, 102-104, 108, 112, 113, 125.
 Nauclea haenkeana Stend., 103, 76.
 Nauclea luzonensis D. Dicts., 102, 76.
 Nauclea rotundifolia Bartl. ex. D.C. 103, 76.
 Neidium affine, 101, 156.
 grasile, 101, 156.
 iridis, 101, 156.
 Nemalionales, 100, 25.
 Nemalionopsis shawi, 101, 156.
 Nemastamataceae, 101, 13, 30.
 Nenang, 103, 114.
 Neomeris annulata, 101, 156.
 vanbossae, 101, 156.
 Neomeris Lam., 100, 10.
 annulata Dick., 100, 7, 10.
 Neurymenia fraxinifolia, 101, 156.
 Nitophyllum tengatense, 101, 156.
 Nitzschia acicularis, 101, 157.
 amphibia, 101, 157.
 bacata, 101, 157.
 clausii, 101, 156.
 commenis, 101, 157.
 debilis, 101, 157.
 dissipata, 101, 157.
 fonticola, 101, 157.
 frustulum, 101, 157.
 gracilis, 101, 157.
 granulata, 101, 157.
 ingenus, 101, 157.
 insecta, 101, 157.
 insecta, 101, 157.
 intermedia, 191, 157.
 invicta, 191, 157.
 irrepta, 191, 157.
 lorenziana, 101, 157.
 luzonensis, 101, 157.
 palea, 101, 157.
 parvula, 101, 157.
 philippinarium, 101, 157.
 pseudoanphioxys, 101, 157.
 punctata, 101, 158.
 sigma, 101, 158.
 signoidea, 101, 158.
 staguorum, 101, 158.
 subrostrata, 101, 158.
 tryblionella, 101, 158.
 vitrea, 101, 158.
 wolterecki, 101, 158.
 Nyctixalus margariffer Boul., 100, 157.
 robinsoni Ann., 100, 157.
- O
- Oedogonium circumlineatum, 101, 158.
 discretum 101, 158.
 nians, 101, 158.
 paloense, 101, 158.
 philippinense, 101, 158.
 pudicum 101, 158.
 visayense, 101, 158.
 Oga, 103, 128.
 O. miliaceae, 103, 194.
 Opephyllum martensii, 101, 158.
 Orange, 100, 44, 46.
 Orchidaceae, 103, 118.
 Oryza, 104, 73, 75, 77-79, 83.
 Oscillaria gracillima, 101, 158.
 Oscillatoria brevis, 101, 158.
 O. sativa Linn., 101, 100.
 Oryza
 O. sativa L. var., 104, 73, 75-79, 82.
 O. glaberrima Steud., 104, 73, 75-79, 81.
 O. officinalis, 104, 73, 75-77, 80.
 O. officinalis Wall., 104, 74.
 O. perennis, 104, 78.
 O. latifolia, 104, 78.
 Ouroupartia perrottetii Bail., 103, 76.

P

- Pachyrrhizus erosus* Linn., 100, 44.
Padina Adam., 100, 19.
 arborescens, 100, 203.
 crassa Yam., 100, 18, 19.
 japonica Yam., 100, 18, 20
 minor Yam., 100, 18, 20.
Padina australis, 101, 158.
 boryana, 101, 158.
 commersonii, 101, 158.
 distomatica, 101, 158.
 fraseri, 101, 158.
 gymnospora, 101, 158.
 japonica, 101, 158.
 pavonica, 101, 158.
 titrastomatica, 101, 159.
Padina japonica, 102, 60.
 sp., 102, 60.
Palaquim, 103, 128.
Palaquim sp., 103, 99, 11, 119, 136.
Palea, 103, 192.
Palmae, 103, 109, 111-113, 115-122, 128.
Pandanus, 103, 99-102, 129, 133.
Panaceae, 103, 102, 129.
Panicum maximum Jacq., 101, 99, 101, 109.
 repens Linn., 101, 100.
Panocha, 102, 140.
Pantat, 102, 140.
Papaya, 100, 44, 46.
Papulaspora sp., 101, 77, 78.
Para grass, 101, 100, 103.
Parasorghum, 104, 79.
Paspalum dilatatum, 103, 15.
Paspalum conjugatum Berg., 101, 15, 16, 100.
 distichum Linn., 101, 100.
Passiflora goetida, 101, 100.
Pedilium secundum 104, 191.
Pellionia mindanaensis, 103, 122.
Pellionia mindanaensis C.B. Rob, 103, 137.
Pelobatridae, 100, 131, 138.
Pelvetia canaliculata, 100, 202, 204.
 wrightii, 100, 204.
Pennisetum polystachon (L.) Schult., 101, 99-101, 204.
Pennisetum polystachon (L.) Shult., 101, 99-101, 109.
Petsay, 100, 95, 96, 100.
Peyssonnelia calcea, 101, 157.
 conchicola, 101, 157.
 evae, 101, 157.
 abscura, 101, 157.
 rubra, 101, 157.
Phalophila dendroides, 101, 159.
Phacelophrynum, 103, 116, 118.
Phacelophyrium bracteosum (Warb.) K. Schum., 103, 132.
Phaeomeria, 103, 128.
Phaeomeria excelsa (Jack) merr, 103, 133.
Phaeophyta, 100, 6, 7.
 key to the species of, 100, 7.
Phalaenopsis sp., 103, 132.
Phaseolus aureus, 100, 85.
 vulgaris, 100, 85.
Phaseolus aureus Roxb., 102, 128, 132, 135.
 calcaratus Roxb., 102, 128, 135.
 lunatus Linn., 102, 128.
 vulgaris Linn., 102, 128.
Phaseolus autropurpureus, 101, 83.
Philantus aurifasciatus kuhl and van Hass., 100, 156, 157, 159.
pallidipes Barb., 100, 157.
Philippine sargassum, 100, 56.
Phomopsis sitri, 103, 21, 23.
Phormidium crosbyanum 101, 159.
 tinctorium, 101, 159.
Phycoseris reticulata, 101, 159.
Phylla, key to, 100, 7.
Phyllostachy, 100, 57.
Pinanga, 103, 99.
Pinanga maculata, 103, 109, 120.
Pinanga maculata Prob., 103, 133.
Pineapple, 100, 44-46.
Pinnularia acrosphaeria, 101, 159.
 borealis, 101, 159.
 braunii, 101, 159.
 brevicostata, 101, 159.
 didyma, 101, 159.
 divergens, 101, 159.
 gibra, 101, 159.
 graciloides, 101, 160.
 hartleyana, 101, 160.
 interrupta, 101, 160.
 irriorata, 101, 160.
 lystosoma, 101, 160.
 major, 101, 160.

- microstauron*, 101, 160.
nodosa, 101, 160.
ruttneri, 101, 160.
stomatophora, 101, 160;
subcapitata, 101, 160.
viridis, 101, 160.
wolterecki, 101, 160.
Plagiostachys sp., 103, 132.
Plagiostachys philippines (Ridl), 103, 132.
 Plankton feeders, 103, 200.
Pleurosigma salinarum, 101, 160.
Plocamium patens, 101, 160.
Piper, 103, 101, 120.
Piper betle L., 103, 119.
Piper camium Bl., 103, 119.
Piper lang lassei C.D.C., 103, 136.
Piper sp., 103, 136.
Piper spp., 103, 119.
Piperaceae, 103, 119, 120.
Pittosporaceae, 103, 128, 129.
Pittosporum, 103, 128, 129.
Pittosporum moluccanum (Sam) Miq., 103, 135.
Plocoglottis wenzelii, 103, 118.
Plocoglottis wenzelii Ames, 103, 132.
Pocockiella variegata (Lam.) 100, 17, 19.
Polymbrony, 103, 246.
Polypedates javanus Barb., 100, 253.
junghuhnii Bkr., 100, 147.
leucomystax, *lencomystax* Boie, 100, 153-155, 158.
reinwardtii Siendl., 100, 151.
Polycoelia vanhoevedtii, 101, 160.
Polyphyca spicata, 101, 160.
Polypodiaceae, 103, 107, 112, 113, 117, 131.
Polyporous sp., 103, 130.
Polyporaceae, 103, 110, 130.
Polystictus sp., 103, 130.
Polysiphonia apiculata, 101, 160.
beaudettii, 101, 160.
ferulacea, 101, 160.
gorgoniae, 101, 161.
hawaiiensis, 101, 161.
howei, 101, 161.
molli, 101, 161.
pentamera, 101, 161.
savatieri, 101, 161.
scopulorum, 101, 161.
setacea, 101, 161.
sparsa, 101, 161.
sphaerocarpa, 101, 161.
upolensis, 101, 161.
Polytrias amaura (Büse) O. Ktze., 101, 99, 102, 109.
Polyzonion jungermanniades, 101, 161.
Ponnisetum ramosum, 104, 76.
Pocockiella variegata (Lam.) Papeng, 100, 17, 19.
Porphyra, C. Ag., 100, 25.
crispata, 100, 24, 101, 161.
Portulaca oleracea, 100, 85.
Prarairnia, 103, 128.
Praranenia mendanaensis (Elm.) Brem., 103, 136.
Pratia mummularia (Sam) Kurz, 103, 134.
Protein solids, 103, 175.
Pseudomonas aeruginosa, 102, 7.
Psidium guzjava L., 101, 71.
Psidium cujavillus Burm. F., 102, 145.
guajava Linn., 102, 137, 143, 145; 100, 44, 45.
Psilacлада, 104, 7, 17, 94.
Psiloclada clandestina, 104, 159, 161.
P. Cladestina Mitten 104, 159.
Psilostachys sericea, 103, 246.
Ps. aekuginosa, 103, 207, 213.
P. sericia, 103, 245.
Pseudomonas, 103, 203.
Punctariaceae, 100, 20.
Punctariales, 100, 20.
Pupalia lappacea, 103, 246.
Psiloclada clandestina Mitten, 104, 159.
Psychotria, 103, 121, 129.
Ptilidiaceae, 104, 7, 15, 47, 205.
Ptilidiineae, 104, 7, 10, 15, 47.
Purina trout chou, 103, 201.
Psychotria luconiensis (Cham. and Schlect.) F. Vill, 103, 136.
Psychotria sp., 103, 136.
Pyricularia oryzae cav., 101, 1, 2, 401.
Pyrus malus Linn., 100, 44, 45.

R

- Radish*, 100, 44-46.
Rana Linn., 100, 143.
biporcatus, 100, 158.
cancrivora cancrivora
Gravenh., 100, 143-145, 149.

- chalconota van kamp., 100, 147.
 hascheana van kampen, 100, 146.
 jerboa van kamp., 100, 149.
 Kuhli Dum, and Bibr. 100, 145,
 146, 158.
 limnockaris, 100, 145, 159.
 microdisca, 100, 159.
 Boett., 100, 146, 147.
 micobariensis van kamp., 100, 143,
 149.
 whiteheadi van kamp., 100, 149.
 Ranidae, 100, 131, 143.
 Raphanus sativus Linn., 100, 44, 45.
 Ratiles, 100, 44, 46.
 Red algae, 100, 6, 102, 57, 58, 61, 63.
 Rhabdonia dura, 101, 161.
 Rhacophoridae, 100, 131, 151.
 Rhacophorus javanus Boett., 100, 152,
 153, 158, 154.
 leucomptax var. sevirgata van kamp.,
 100, 154.
 leucomptax leucomytax Wolf, 100,
 154, 159.
 reinwardti kuhl and van Hass., 100,
 151, 152.
 schlegelii margaritifer Wolf, 100, 153.
 sexvirgata van Kamp., 100, 154.
 Phipiliopsis peltata, 100, 161.
 Rhizobium japonicum, 100, 297, 298;
 101, 81-89.
 Rhizoclanium crassipellitum, 101, 161.
 hookeri, 101, 161.
 kernerii, 101, 161.
 setaceum, 101, 161.
 Rhizosolemia eriensis, 101, 161.
 Rhodochorton sinicola, 101, 161.
 Rhodophyta, 100, 6, 7.
 key to the species of, 100, 22.
 Rhodophyta, see red algae, 102, 56.
 Rhodopeltis borealis, 101, 161.
 gracilis 101, 161.
 Rhodophyllis peltata, 101, 101.
 Rhodymenia spinulosa, 101, 162.
 Rhopalodia gibberula, 101, 152.
 gibra, 101, 162.
 Rhopalanthe, 104, 91.
 Ranunculaceae, 101, 115.
 Rabiaceae, 103, 100, 114, 129, 130.
 Rice, 101, 100, 103.
 Rice flour, 100, 97.
 Rice bran, 103, 144.
 Roschera condensata, 101, 162.
 Rosevingea intricata, 101, 102.
 Rottboelia exaltata, 101, 191, 193, 195.
 Rottboelia exalta L.F., 101, 191.
 Rubus farxinofolius Poir, 101, 136.
 Rubia cordifolia L., 101, 136.
 Rubus, 103, 128.
 Rye, 104, 74.
- S**
- Saba, 100, 44-46.
 Sabicea perrottetii Rich., 103, 76.
 Saccharomyces cerivisiae, 102, 7.
 Saccharum spontaneum, 100, 76.
 Saccharum spontaneum Linn., 101, 99,
 101, 109.
 spontaneum (L.) subsp. indicum Hack.,
 101, 24, 99.
 Sakul, 103, 114.
 Safeda, 101, 72.
 Salamay 103, 115, 117, 128.
 Salangay, 103, 109.
 Salmonella gallinarium, 102, 7.
 Salmonella-shigella, 102, 104, 111.
 Saluyot, 100, 95, 97, 98, 100, 101.
 Samgalan, 103, 130.
 Samgiqsig, 103, 129.
 Sandoricum keotjape (Burn.) Merr., 100,
 44, 45.
 Santol, 100, 44-46.
 Sargasum, 102, 61.
 sp., 102, 60.
 Sargasum C. Ag., 100, 22.
 confusum, 100, 204, 207.
 polyceratium Mont., 100, 18, 22,
 204-207.
 ringgaoldianum, 100, 201, 204.
 sp., 100, 18, 22.
 Sargasum bacciferum, 101, 162.
 belangeri, 101, 162.
 biforme, 101, 162.
 bidenri, 101, 162.
 confusum, 101, 162.
 cristalfolium, 101, 162.
 cristatum, 101, 162.
 cystocarpum, 101, 162.
 duplicatum, 101, 162.
 esperi, 101, 162.

- filiformi, 101, 162.
 fulvellum, 101, 162.
 giganteifolium, 101, 162.
 gracile, 101, 162.
 hemiphyllum, 101, 162.
 ilicifolium, 101, 162.
 kjellmanianum, 101, 162.
 latifolium, 101, 162.
 nigrifolium, 101, 162.
 parvifolium, 101, 162.
 polysystem, 101, 162.
 sandei, 101, 163.
 serratifolium, 101, 163.
 siliquosum, 101, 163.
 spinifex, 101, 163.
 vulgare, 101, 163.
 yendoi, 101, 163.
 Sapindaceae, 103, 129.
 Sapotaceae, 103, 11, 119, 128.
 Saprolegnia parasitica, 103, 203.
 Sarcandra glabra, (Thumb.),
 Nakai, 103, 134.
 Saurania, 103, 128, 129.
 Saurania elegans, 103, 114.
 Saurauia elegans, (Chaisy), F., Vill., 103,
 133.
 Saurauia elementis Merr., 103, 133.
 Saurauia latibractea Shassy, 103, 133.
 Saurauiaceae, 103, 101.
 Saxena O.C. Microdetermination acids,
 103, 221.
 Schefflera, 103, 114.
 Schefflera sp., 103, 134.
 Schismatoglottis, 103, 128.
 Schismatoglottis calyptrata, 103, 107.
 Schismatoglottis calyptrata (Roxb.) Z,
 & M., 103, 131.
 Schisostachyum (Blco.) Merr., 100, 57, 68.
 Scinara hormoides, 101, 163.
 Scleria Scrobiculata Nees., 103, 131.
 Scutellaria indica L., 103, 135.
 Secale cereale, 104, 76.
 Segaq, 103, 122.
 Selaginellaceae, 103, 131.
 Sellaginella agusanensis Hieron, 103, 131.
 Selufeng, 103, 120, 130.
 Semnuhuh, 103, 116, 130.
 Sesbania grandiflora Linn. (Pers.), 102,
 136.
 Setaria, 103, 101.
 Setaria palmifolia, 103, 124.
 Setaria palmifolia (Kaen.), Stapf, 103,
 132.
 Shorea, 103, 99.
 S. tulescens, 103, 194.
 Sili labuyo, 100, 44, 46.
 Simplocia howei, 101, 163.
 Sinequelas, 100, 44-46.
 Singkamas, 100, 44-46.
 Siphonocladuales, 100, 13.
 Siphonocladuales, 100, 10.
 Similax, 103, 125.
 Similax china L., 103, 132.
 Similax elmeri Merr., 102, 132.
 Similax magacarpa DC., 103, 106.
 Similax sp., 103, 245.
 Solanad type, 103, 245.
 Solanum melongena, 100, 85.
 Solieraceae, 100, 31.
 Sorghum, 104, 76, 79.
 Soybeans, 103, 149.
 Soybean, 101, 81.
 Sphacelaria furcigera, 101, 163.
 pulvinata, 101, 163.
 rigidula, 101, 163.
 tribuloides, 101, 163.
 Spathoglossum variabile, 101, 163.
 Sphaeroceccus confervoides, 101, 163.
 corallopsis, 101, 163.
 gelatinus, 101, 163.
 lichenoides, 101, 163.
 Spillantes acmella (L.) Merr., 103, 104.
 Spondias purpurea Linn., 100, 44-45.
 Spongacarpus hemiphyllus, 101, 163.
 Spongialites agaricus, 101, 163.
 achora, 101, 163.
 Spongocladia dichotoma, 101, 163.
 vauchoriaeformis, 101, 163.
 Stachytarpheta jamaicensis, 100, 85.
 Staurogyne ciliata Elm., 103, 133.
 Stauroneis anceps, 101, 164.
 phoenicenterm, 101, 164.
 pygmea, 101, 164.
 Stauroptera aspera, 101, 164.
 Steel knife, 103, 111.
 Stephanian corymbosa (Bl) Walp., 103, 135.
 Steptopterobia intermedia, 101, 164.
 Stephanodiscus astrala, 101, 164.
 hantzschii, 101, 164.
 Stichosiphon sansibaricus, 101, 164.
 Stiposorghum, 104, 79.
 Strawberry, 100, 44, 46.

- Streptococcus, crystalloides*, Pal. and Lap., 100, 42.
Streptomyces, 103, 207, 209, 210, 212.
Streptomyces, 103, 207.
Streptomyces greuseus, 103, 208.
S. syriaca, 103, 194.
Strongylodon sp., 103, 135.
Struvea delicatula, 101, 164.
Sufing, 103, 109, 128.
Sufini/sufing, 103, 109, 118.
Sufing/sufini, 103, 128.
Stypodium flabelliforme, 101, 164.
Suha, 100, 44-46.
Sukulab ubal, 103, 107.
Surrirella angusta, 101, 164.
biseriata, 101, 164.
Surrirella angusta, 101, 164.
biseriata, 101, 164.
delicatissima, 101, 164.
fastuosa, 101, 164.
lineari, 101, 164.
Sus scropha Linn., 102, 137.
Syal Dakal, 103, 109, 128, 130.
Symploca hydroides, 101, 164.
Synedra rumpeus, 101, 164.
ulna, 101, 164.
Synedrella nodiflora, 100, 85.
Syzgium cumini (Linn.) SK., 100, 44.
- T
- Tabellaria fenestrata*, 101, 165.
flocculosa, 101, 165.
Tafodoy, 103, 128.
Tagetes erecta, 100, 85.
Tagisi, 103, 109, 111, 117, 120.
Takabia, 104, 8, 11.
Takabiales, 104, 8.
Takakiinae, 104, 8.
Takabia lepidozoides, 104, 8.
Talahib, 100, 24, 99, 101, 102, 76.
Tambagan, 100, 123, 124.
Tangawan, 103, 130.
Tanto, 103, 128.
Tapienodosya bormetii, 101, 165.
Tectona grandia, 100, 85.
Telarenea, 104, 7, 15, 16, 42, 94, 185.
Telarenea Neesii, 100, 240; 104, 185, 186, 191.
octaloba Ros., 100, 238.
panchoi Ros., 100, 237, 240.
semperiana (Steph.), 100, 237, 240.
Jungermannia capillaris, 104, 188.
Lepidozia neesii Lindb., 104, 188.
Lepidozia javanica (nees) Mont., 104, 188.
Mastogophora javanica (Mont.) 104, 188.
Telaranca Neesii (Lindenb.), 104, 188.
Telarenea Octoloba, 104, 185, 207.
T. Panchoi del Rosario, 104, 185.
Telarenea Sempereana, 104, 185, 186, 207.
Lepidozia seperiiana Steph., 104, 185.
T. semperiana (Steph.), 104, 185.
Telarenea Spruce, 104, 184.
Temnoma, 104, 7, 15, 16, 56.
Temnoma Setigerum (Lindenb.) Schust., 104, 69.
Jungermannia setigeria Lindenb., 104, 69.
Blepharostomasetigerum Steph., 104, 69.
Lophozia pilifera Horik, 104, 69.
Terpsinoe musica, 101, 165.
Terspine musica, 101, 165.
Tetragramwa Asiatica, 101, 165.
Thamnoclonium procumbens, 101, 165.
treubii, 101, 165.
Tiliaseae, 101, 106, 108, 110.
Timbagek lumbungan, 103, 130.
Timlas, 103, 113, 130.
Timanophora (J. Ag.) Feldm., 100, 30.
incrustans (J. Ag.) Boerg., 100, 23, 30.
Titanophora Webera e, 101, 165.
Tolypocladia condensata, 101, 165.
Tolypocladia condensata, 101, 185
glomerulata, 101, 165.
Tomato, 100, 44-46; 103, 22, 23.
Tournefortia, 103, 102.
Tournefortia, sp., 103, 143.
Triceratium favus, 101, 165.
orientale, 101, 165.
Trichocolea, 104, 7, 15, 17, 56, 205, 206.
Tricholeaceae, 104, 7, 15, 55, 56.
Trichocolea Breviseta, 104, 57, 68.
T. Beveseta Steph., 104, 65.
Tricocolea Capillata (Lindb.) Steph., 104, 65.
Leiocolea Capillata Lindb., 104, 65.

- Trichocolea* Dum. Corr. Nees, 104, 56.
Trichocolea tomentella, 104, 57, 58, 207.
 T. tomentella (ehrh.) Dum Ness. Corr, 104, 57.
 Jungermannia tomentella Derm., 104, 57.
 Trichilea tomentalla Derm., 104, 57.
 Trichocolea tomentella Derm., Sylloq., 104, 57.
 Trichocolea biddleconniae fustini, 104, 57.
Trichocolea Fragillima, 104, 57, 67.
 Trichocolea fragillima Herz., 104, 64.
Linchocolea Merrilana, 104, 57, 60, 61, 207.
 T. Merrilana Steph., 104, 59.
Trichocoleat obsonica, 104, 57, 65.
 T. Obsonica Steph., 104, 62.
Trichocolea Pluma, 104, 60, 63, 64, 206.
Trichocolea Striolata, 104, 57, 66, 209.
 T. striolata Steph., 104, 59.
Trichocolea tonkinensis Steph., 104, 63.
Trichogloca rejuenii, 101, 165.
Trichothecium roseum, 101, 77, 78.
Tridax procumbens, 100, 85.
Tripteroides (Tripteroides) reiseni Basio and Basio, 100, 103.
Trichosathes sp., 103, 134.
Tricystis, 103, 101, 102.
Tselin, 103, 128.
Tropidoneis lepidoptera, 103, 165.
Tumelan wayag, 103, 130.
Tumelan wayug, 103, 121.
 "Tungaw", 103, 116, 130.
Turbinaria condensata, 101, 165.
 conoides, 101, 165.
 decurrens, 101, 166.
 denudata, 101, 166.
 luzonensis, 101, 166.
 ornata, 101, 166.
 trialata, 101, 166.
 turbinata, 101, 166.
 vulgaris, 101, 166.
Turbinaria ornata, 102, 59, 60, 63.
Turbinaria ornata J. Agardh., 102, 67.
Turbinaria Lam., 100, 22.
 ornata (Turn.) J. Ag., 100, 18, 22.
Tydemanian expeditionis, 101, 166.
Tylimonthus giganteus, 104, 15.
- U
- Ubod*, 103, 107-109.
Ubod basag, 103, 108, 109.
Ubod bulukel, 103, 109.
Udotea Lam., 100., 100.
 orientalis A. and E.S. Gepp., 100, 7, 15.
Udotea argentea, 101, 166.
 flabellum, 101, 166.
 glaucescens, 101, 166.
 javensis, 101, 166.
 orientalis, 101, 167.
 sordida, 101, 167.
Uga/oga, 103, 118.
Ulotricholes, 100, 9.
Ulva Linn., 100, 9.
 lactuca Linn., 100, 9.
Ulvaceae, 100, 9.
Ulva compressa, 101, 167.
 fasciata, 101, 167.
 intestinalis, 101, 167.
 lactuca, 101, 167.
 pertusa, 101, 167.
 reticulata, 101, 167.
 umbilicalis, 101, 168.
Umbelliferae, 101, 106, 108.
Uncaria canescens, Korth., 103, 76.
Uncaria Claviseipala Elm., 103, 76.
Uncaria hookeri Vid., 103, 76.
Uncaria insignia D.C. 103, 76.
Uncaria ferrea F. Vill. now D.C., 103, 75, 76.
Uncaria florida Vid., 103, 76.
Uncaria perrottetti (A. Rich.) Merr., 103, 75-77.
Uncaria philippinensis Elm., 103, 76.
Uncaria pteropoda Miq., 103, 76.
Uncaria sclerophylla F. Vill., 103, 76.
Uncaria setiloba Benth., 103, 76.
Uncaria pinnatifida, 100, 204.
Urai weed, 101, 15, 16.
Urticaceae, 100, 76.
Urticaceae, 103, 101, 113, 117, 119, 122, 127, 129.
- V
- Vascinum angustifolium*, 103, 14.
Valonia Ginn., 100, 11.

- aegagropila C. Ag., 100, 8, 11.
 Valoniaceae, 100, 11.
 Valonia aegagropila, 101, 168.
 confervoides, 101, 168.
 fastigiata, 101, 168.
 macrophysa, 101, 168.
 pachynema, 101, 168.
 utricularis, 101, 168.
 ventricosa, 101, 168.
 Valoniopsis pachynema, 101, 168.
 Vanoorstia spectabilis, 101, 169.
 Vatica, 103, 99, 104, 110, 129.
 Vatica sp., 103, 134.
 Verbenaceae, 103, 101, 120, 130.
 Vernonia cinerea, 100, 85.
 Vigna sinensis (Linn.) Savi, 102, 128, 135.
 Vigna sinensis, 100, 85.
 Vinca rosea, 104, 74, 76.
 Vitaceae, 103, 101, 115, 120, 130.
 V. pyramidata, 103, 193.
 Vittatae, 104, 102, 107.
 I. Bazzania vittata, 104, 107, 108.
 a) Mastigobryum vitallum Gott., 104, 107.
 b) Bazzania vittata (Gott.), 104, 107.
 c) M. integristipulum Steph., 104, 107, 109.
 II. Bazzania luzonense (Steph.), 104, 109, 110.
 a) Mastigobryum luzonense Steph., 104, 109.
 b) Bazzania luzonensis (Steph.), 104, 109.
 Volvox barberi, 101, 169.
 globator, 101, 169.
 merilli, 101, 169.
 perglobator, 101, 169.
 rousseleti, 101, 169.
 miniata, 101, 169.
- W
- Wesson oil, 100, 97.
 Wet meal, 103, 175.
- X
- Xantho (Lophoxanthus) cultripes of Alcock, 104, 5.
 Xantho reynaudii cultripes of sakai, 104, 5.
 Xanthomonas oryzae, (yed. and Ish.) Dow., 104, 1, 2, 4-10.
- Y
- Yard grass, 100, 76; 101, 15, 16, 99-102.
 Yerba buena, 103, 13, 67.
 Young apple trees, 103, 14.
- Z
- Zea mays, 104, 78.
 Zinnia elegans, 100, 85.
 Zingiberaceae, 103, 101, 109, 112, 117, 122, 128.
 Zonaria gymnospora, 101, 169.
 variegata, 101, 169.
 Zoopsis, 104, 7, 16, 93, 94, 205.
 Zoopsis Argentea, 104, 191, 192.
 Z. argentea Hook f. and Tayl., 104, 191.
 Z. feagelliforme, 104, 192.
 Z. basilaris col. Trans., 104, 192.
 Z. muscosa col., Trans., 104, 192.
 Zoopsis Hook, f. and Tayl., 104, 192.
 Zygodontia margaritaceum, 101, 169.